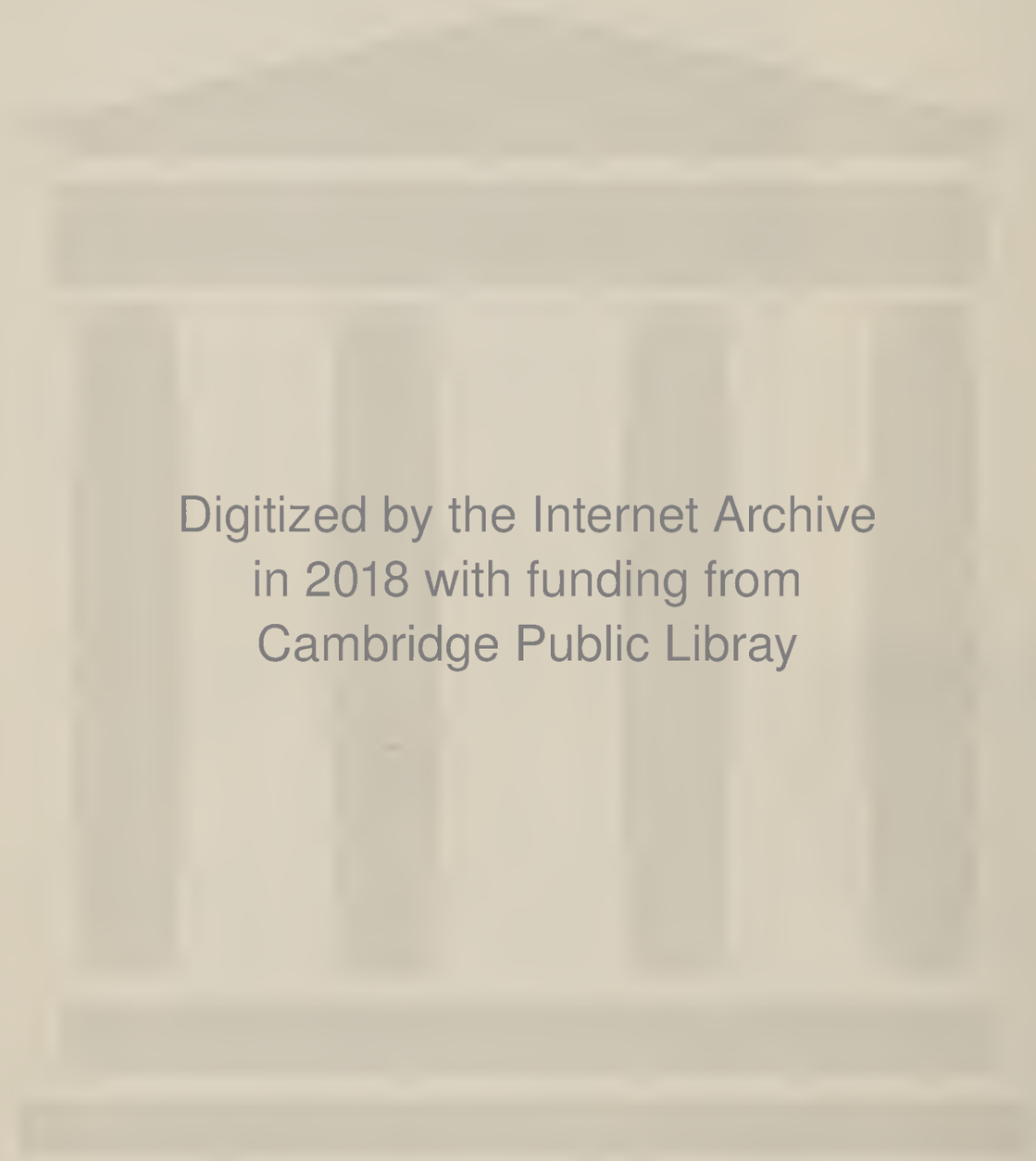

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HON. WALTER C. WARDWELL
Mayor of Cambridge, Massachusetts
1907-08

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City of Cambridge

Massachusetts

THE MAYOR'S ADDRESS

AT THE

ORGANIZATION OF THE CITY GOVERNMENT

JANUARY 6, 1908

AND

THE ANNUAL REPORTS

MADE TO THE CITY COUNCIL

FOR THE YEAR 1907

PUBLISHED BY ORDER OF THE CITY COUNCIL
UNDER THE DIRECTION OF THE
CITY CLERK

Press of
E. L. GRIMES CO.
122 Pearl St., Boston

81

INAUGURAL ADDRESS

of

HON. WALTER C. WARDWELL

JANUARY 6, 1908

Gentlemen of the City Council:—

Called again by the suffrages of the citizens of Cambridge to preside for a second term over the affairs of this City, it becomes my duty at this time to confer with you upon the conditions which confront us as a municipality, and to communicate to you any suggestions that may occur to me with reference to the better management of the City's affairs.

At the outset I feel justified in saying that we begin the year with a community of interest in the welfare of the great and rapidly-growing City which we all esteem and love. However widely we may differ politically, and however varied in our judgments, I am glad to believe that we have but one object in view and one purpose to attain: the advancement of the best interests of the City and its highest development socially, educationally, and from a business standpoint.

We are met at the very beginning of the year with a condition of affairs both interesting and novel. By the adoption of certain amendments to the City Charter the term of the present elective officers of the City is prolonged for three months beyond the annual term for which such officers have been elected hitherto.

The time of the Annual Municipal Election is changed from the month of December to the month of March, and the financial year hereafter will begin on April 1st, instead of December 1st.

The change of the beginning of the financial year from December to April leaves the period of four months, including December, 1907,

January, February and March, 1908, to be provided for before making the annual department appropriations for the year beginning April 1st, 1908.

The number of members of the School Committee to be hereafter elected is five, instead of fifteen. The School Committee is also authorized to appropriate money in a sum in any one year not amounting to more than five dollars on each one thousand dollars of the taxable property of the City, to be estimated by taking the average amount of taxable property during the three preceding years. The Mayor, however, is to have the veto power over orders or votes of the School Committee involving the the expenditure of money.

These, as well as other important changes, will require the particular attention of the members of the City Council before we can become wholly familiar with the new condition of affairs. The changes involve a complicated condition financially, to which your attention will be called later.

As authorized by an order of the last City Council, an expert accountant has been engaged to make an investigation of the financial condition of the City, and of the ways and means at the disposal of the City Council to make appropriations, in agreement with amendments to the City Charter recently accepted. I expect to have the report of this expert in my hands within a few days, and, after consideration of the same, I shall submit his recommendations to your Honorable Boards.

The actual intent and force of these amendments are not, as an entirety, altogether clear. Particularly is this true so far as they relate to the acts of the School Board, and they may, indeed, call for interpretation by the highest legal authority. The varying views held by those of equally competent judgment emphasize anew the importance of proceeding slowly and with the most careful deliberation and by expert authority in changing the Constitutional Law of the City. Only a Commission of men with minds trained to appreciate the far-reaching effects and the legal consequences of such changes should be entrusted with their composition. In the present instance it may be necessary even to ask for remedial legislation.

FINANCIAL STATEMENT.

	1906.	1907.	Increase.
Funded City Debt.....	$6,657,850 00	$6,896,350 00	
Sinking Funds.....	1,040,298 98	1,185,830 36	
Net Funded City Debt..	$5,617,551 02	$5,710,519 64	$92,968 62

	1906.	1907.	Decrease.
Funded Water Debt....	$3,871,100 00	$3,820,600 00	
Sinking Funds.....	1,507,749 85	1,582,727 18	
Net Funded Water Debt	$2,363,350 15	$2,237,872 82	$125,477 33

The interest and sinking fund requirements have grown from $384,100.10 in 1903 to $451,921.89 in 1907—an increase of $67,821.79 in five years. The expenditures for current expenses have grown from $1,536,221.49 in 1903 to $1,832,383.18 in 1907—an increase of $296,161.69 in five years.

The principal increases have been as follows:—

1.	Highways and Sanitation	$96,961 97
2.	Schools and Libraries	75,143 12
3.	Police Department	31,421 41
4.	Fire Department	29,217 26
5.	Parks	23,965 42
6.	Public Charities	12,294 25
7.	Health Department	11,443 76
8.	City Building Department	10,727 00
9.	Election Expenses	6,950 00

HEALTH.

The mortality rate in Cambridge is the lowest in its history, and, as compared with other cities in the Commonwealth of about the same population, shows very much in our favor.

The legislative enactment of May, 1907, places the care of tuberculosis patients in the hands of our Board of Health, and, while materially adding to its duties, has been cheerfully assumed, and will be dealt with in the most economical and effective manner.

I renew my recommendations of a year ago that provision be made for a hospital for contagious diseases.

PARKS.

Closely connected with the health of the City is the necessity of providing for the densely populated sections sufficient breathing places and play-grounds for those of our people who cannot conveniently reach the larger and more attractive places already provided.

I am certain that small areas set apart in different sections of the City, for use of women and children particularly, would be of incalculable benefit to all.

I recommend that this matter receive earnest attention.

PUBLIC BUILDINGS.

Our public buildings, including schoolhouses, are our pride, particularly the City Hall, Public Library and Rindge Manual Training School. These three buildings were gifts to the City by a former beloved citizen of Cambridge, now deceased, and they should not be permitted to go from year to year without sufficient appropriation to keep them in good repair. They should be regarded as sacred monuments to his memory.

Under the changed conditions, the care of the Manual Training School, as well as the care of all other school buildings, has been transferred to the School Committee.

The Central Square building is in need of alterations; and the Superintendent of Public Buildings, as well as the Chief of Police, has been urging the necessity of changes in this building for some time.

I recommend that you give this matter early consideration.

The need of an elevator in the Brattle Square building is as urgent as it was when I called attention to the necessity for it a year ago, and I again ask the attention of the City Council to this matter.

The Superintendent of Public Buildings calls attention to the need of a suitable place for the care of personal property of considerable value belonging to the City. Also the necessity for providing storage vaults for the proper care of valuable city documents of the different departments in the City Hall, which are at all times exposed to danger from fire.

CITY ELECTRICIAN.

A new equipment for Central Fire Alarm office is again urged by the City Electrician, who states that the Brattle Square Building, while centrally located for this purpose, from other points of view, is very undesirable. He likewise notes the danger to the fire alarm system in the present location in the event of fire, and suggests the great risk to the lives and property of our citizens from this cause, as well as from the obsolete condition of the apparatus.

POLICE AND FIRE.

I believe the personnel of our Police and Fire Departments is as good as in any city in the Commonwealth, and that the men are ready and willing always to do what may be required in the line of duty. The efficiency of these departments can be increased by removing them as far as possible from political interference. Faithful and intelligent service rather than influence should be the reason for promotion.

As our City increases in population we realize the need of increasing from time to time the number of members of both the Police and Fire Departments. More patrolmen are needed on our streets, and the Chief of Police in his report asks for the appointment of six more Reserve Officers to go on duty from April 1st, 1908, in order that the park system may be more carefully guarded.

More permanent men are needed in the Fire Department, and the Chief Engineer in his annual report expresses a desire to place the department on a permanent basis.

The large number of apartment houses likely to be built in the near future, as well as the number of buildings now being erected in the manufacturing district, naturally suggests the thought: Are we prepared with our Fire Department, as now organized, to meet the increased needs and demands for the proper protection of life and property?

Would these departments be more efficient if placed under a Commission or Commissions?

I suggest for your consideration the question of the advisability of the reorganization of both the Police and Fire Departments, to be placed under the control of a Commission.

STREETS.

The past year has been one of great activity in the Street Department and a large amount of work has been performed. Permanent pavement has been laid on Garden Street, Massachusetts Avenue, and several of the streets in the factory district in the eastern part of the City. The question of the final disposition of refuse collected by the ash department, which has been under consideration for several years past, has, I believe, been satisfactorily solved, and an incinerator of the most modern type is now in process of construction.

Your earnest attention is called to the report of the Superintendent of Streets and the recommendations contained therein, which should receive your careful consideration.

It is possible that some more economical and less conflicting method of work carried on by the several departments and public service corporations in our streets might be had.

It sometimes happens that after a street has been put in good condition at considerable expense by the Street Department, one of the other departments or corporations discovers some necessary work to be done, and the street is again opened up, and it is almost impossible to restore it to as good condition as it was before they began the work, to say nothing of the additional cost involved.

Sidewalks in many parts of the City have been left in very poor condition by reason of necessary work of the Park Department in the removal of dead trees during the past year. I suggest for your consideration the the desirability of establishing a Board of Public Works to have direction and control of matters concerning our highways.

BRIDGES.

The new and magnificent Cambridge Bridge, built by the Cambridge Bridge Commission at a cost of about two million six hundred and fifty thousand (2,650,000) dollars, has just been completed and turned over to the cities of Boston and Cambridge, to be maintained by them.

It has always seemed unfair that other cities and towns lying north and west of Cambridge should not have been included in paying the expenses of this very important part of the highway from the outlying districts to Boston. The great advantage to these municipalities will be more evident from time to time, and especially upon the completion of the new subway in this City, which, in connection with the new bridge, will provide a very convenient and rapid means of transit between this outlying district and the City of Boston, which must be of great advantage to them.

A new viaduct has been built over the tracks of the Boston & Maine and Fitchburg Railroads at Prison Point Street, thereby eliminating a number of very dangerous and troublesome grade crossings. This viaduct was built by the Boston & Maine Railroad Company, and the expense of the same is to be apportioned between the said railroad company, the Commonwealth of Massachusetts, and the cities of Boston and Cambridge, Cambridge's portion being 10 per cent. of the cost of the work in Cambridge.

A new Scherzer lift bridge is almost completed over the Lechmere Canal in continuation of Commercial Avenue. This will be opened early in the Spring. An appropriation of the sum of $10,000 is now available for the rebuilding of the First Street Bridge over Broad Canal. Plans and specifications are being prepared for this purpose, and the work will be pushed to completion at once. These, in connection with the new viaduct at Prison Point Street, will be of great convenience to the large number of manufacturing establishments which are located in the eastern part of the City, in transferring freight to the yards of the Boston & Maine Railroad.

Additional appropriations must be provided for the care and maintenance of these new bridges and viaduct.

INDUSTRIAL EDUCATION.

Chapter 505, of the Legislative Acts of the year 1906, provides in part for the establishment of Industrial Schools through the co-operation of the City and the State.

In the matter of industrial education I am proud to say that Cambridge had the distinction of being the first City in the New

England States to establish a Manual Training School, and during the past year, by vote of the School Committee, is the first City in the State to co-operate with the Industrial Commission in maintaining Industrial Evening Schools for men and women already employed in the trades.

These schools are providing for over 400 men and women, who are now given an opportunity to advance themselves in their chosen occupations.

The State will pay one-half the expense of maintaining these schools, and it is gratifying to see the interest manifested by the men from the various shops who are now being given an opportuiity to better their conditions by learning the whole of their trades. I understand the working men and women of the State in all kinds of trades are demanding an opportunity similar to that now given Cambridge residents.

It is to be hoped that such schools will be encouraged, and that the scope of their work will be increased in the future.

On the 16th of April, 1907, Mr. Henry C. Stetson, President of the Common Council, was taken suddenly ill, while about to assume his duties at the regular meeting of that Board, and soon after being removed to his home, passed away.

In the service of the City he was always a faithful, conscientious servant, and his personal qualities were such as to endear him to all who came in contact with him.

Subsequently, as a mark of respect to his memory, suitable action was taken by the City Council.

And now, gentlemen, for the time being, the duties and responsibilities attending the proper administration of our City's affairs are in our hands. Let us work together. Let us have but one object: the advancement and prosperity of our beloved City. Let Peace and Happiness prevail; let there be no "contention among us save that noble contention, or rather emulation, of who best can work and best agree."

ANNUAL REPORTS

REPORT OF THE BOARD OF PARK COMMISSIONERS

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—The Board of Park Commissioners has the honor to submit herewith its fifteenth annual report for the year ending November 30th, 1907, and also the fourteenth annual report of the General Superintendent of Parks, as required by Section 4 of the Ordinance establishing a Park Department.

RIVER PARKWAY.

The construction work done during the year was confined to Rindge Field and the River Parkway. The bridge across the Grand Junction tracks has been completed and paved with bitulithic. The approach to the bridge from Brookline Street has been brought to rough grade and a considerable dumping of material has been done on its easterly side. The Commissioners expect that sufficient filling will be obtained during the winter to admit driving over the bridge. More than half of the length of the beach east of the Grand Junction R. R. has been graded during the past year, the road shaped up, the ribbon strips loamed and the trees planted. Construction of the river road should be pushed as rapidly as is consistent with economy.

RINDGE FIELD.

The Commissioners recommend an appropriation for Rindge Field sufficient to permit such construction as can be done economically during the coming season. They once more draw attention to the fact that some action should be taken toward moving the old school building on the Park to some other location.

EAST CAMBRIDGE EMBANKMENT.

With the completion of the bridge over the Canal it is proper now to begin laying out the Embankment so that it may be used during the hot days of summer. It is recommended that a modest appropriation be made for the purpose.

SHADE TREES.

The elms throughout the city have been seriously damaged by the elm leaf beetle. The department has done a great deal towards the destruction of this pest, but fighing gypsy moths, brown tail moths, leopard moths and the elm beetle has overtaxed its resources.

It is recommended that maples be used for future street planting.

LONGFELLOW PARK.

On November 26th, the Board sent the following communication to the City Council:—

"To the Honorable, the City Council of the City of Cambridge:

Gentlemen:—

The following communication has been received from Mr. Charles Eliot Norton, President of the Longfellow Memorial Association:—

'The Longfellow Memorial Association has in its charge, as you are aware, the little tract known as Longfellow Park. The officers of the Association would be glad to resign this charge into the hands of the Park Commissioners of Cambridge and give them title to the land under the deed of gift which conveyed it to the Association. That deed is to be found on page eighteen of the report of the Longfellow Memorial Association, which I herewith send to you, but which you have probably already seen.

'In case the Park Commissioners were willing to accept the transfer of the land and to take charge of the Park, the income from the property now in the hands of the Memorial Association would be allowed to accumulate until it amounted to a proper sum for the erection of a suitable memorial to Longfellow upon the Park.'

Inasmuch as it seems very proper that the so-called Longfellow Park should become a part of the park system of Cambridge, the Park Commissioners respectfully recommend that there be taken for park purposes:

A certain parcel of land situated on Brattle and Mount Auburn Streets in said Cambridge, opposite the late residence of said Henry W. Longfellow on Brattle Street and bounded and described as follows: Beginning at a point on Brattle Street one hundred and twenty-five one-hundredths (100—25/100) feet northwest from the corner of land now or late of T. P. James and thence running southwest three hundred and nine-tenths (300—9/10) feet, then running southwest and west on a convex curved line fifty-nine and nine-tenths (59—9/10) feet, then running southwest again eighty-nine and fifty-seven one hundredths (89—57/100) feet, then running southeast one hundred and one (101) feet, bounding on all said distances on other land belonging to us, then running southwest again bounding southeast on land now or late of Samuel Batchelder one hundred and fifty-five (155) feet to Mount Auburn Street, then running northwest nearly west two hundred and six and sixty-six one hundredths (206—66/100) feet on Mount Auburn Street, then running northeast two hundred and four and twenty-two one hundredths (204—22/100) feet, then running northeast again but more easterly one hundred and one (101) feet, then running northeast again but more northerly eighty-nine and fifty-seven one hundredths (89—57/100) feet, then running north and northeast on a convex curved line fifty-nine and nine-tenths (59—9/10) feet, then running northeast again two hundred and ninety-nine and one-tenth (299—1/10) feet to Brattle Street, bounding on the last five distances on other land belonging to us and then running southeast on Brattle Street one hundred and twenty (120) feet to the point of beginning, containing

ninety-three thousand six hundred and eighteen (93,618) square feet, according to a plan of said parcel by W. A. Mason & Son, surveyors, dated April, 1883. The conveyance to the city being made with the following reservations as applied to the property by the Longfellow heirs, that the donors reserve to themselves and their heirs and assigns for the benefit of our remaining lands abutting upon or near the said parcel of land and lying to the eastward of Willard Street the right to use that portion of said parcel marked "roadway" on said plan, with such additional portion thereof as may be appropriated by said Association at any time to make said roadway of greater width, both on and beneath the surface of the ground for all the purposes for which ways now are or at any time hereafter may be commonly used. And this conveyance is also made upon the following conditions: First, that all shrubs which may at any time be planted or exist in or upon that part of the said parcel of land which lies within the distance of four hundred and forty (440) feet from said Brattle Street shall be kept trimmed so that they shall not at any time exceed the height of six (6) feet; second, that no tree whatsoever shall ever be planted or suffer to exist in or upon said parcel without the consent of us, the grantors, or of those who at any time would have held under us by descent or devise if so conveyance of said parcel had ever been made; third, that no building of any kind other than such memorial to the said Henry W. Longfellow as shall be approved by the Longfellow heirs or the survivors of them shall ever be erected or placed upon said parcel without such consent as aforesaid; fourth, that said portion of said parcel marked "roadway" on said plan shall be graded and put in thorough order for use as a way within five years from the day of the date hereof and shall be forever thereafter so maintained by said Association, and said Association may at any time appropriate an additional portion thereof to make said roadway of greater width than thirty (30) feet and shall in that case properly grade and forever thereafter so maintain the same as part of said roadway."

BLACK SMOKE.

The alarming increase in the volume of black smoke from the chimneys in the manufacturing districts of the city detracts seriously from the usefulness of Cambridge Field and is a great menace to the proper development of the Esplanade section. Cambridge should not attempt to rival Cincinnati and Pittsburg as a smoky city, yet she is quite likely to do so unless a strenuous effort is made to prevent it.

POLICE PROTECTION.

The Commissioners take pleasure in the improvement of the policing of the parkways and urge that constant attention be given to preserving order, thereby making the parks attractive to visitors.

FINANCIAL STATEMENT.

Park Loans.

Amount of unused balance of 1906 appropriation reappropriated December 7, 1906		$22,177.63
Lands and construction, Section C	$21,815.43	
East Cambridge Embankment	362.20	
	$22,177.63	
Amount appropriated March 30, 1907, Mill Pond		1,000.00
Amount appropriated October 2. 1907, Rindge Field		2,000.00
Amount appropriated October 2, 1907, Lands and Construction		8,000.00
		$33,177.63

Park Maintenance.

Brown Tail Moth Extermination.		
Amount appropriated March 30, 1907	$10,000.00	
Amount transferred May 23, 1907, to shade trees	1,000.00	
		$9,000.00
Cambridge Field and Shelter.		
Amount appropriated March 30, 1907		6,000.00
Commons, Squares and Public Grounds.		
Amount appropriated March 30, 1907	$4,500.00	
Amount transferred September 18, 1907, from Sections A, B, D and F	800.00	
		5,300.00
Shades Trees.		
Amount appropriated March 30, 1907	$4,000.00	
Amount transferred May 23, 1907, from Brown Tail Moth Extermination	1,000.00	
		5,000.00
Sections A, B, D and F.		
Amount appropriated March 30, 1907	$3,000.00	
Amount appropriated June 25, 1907	2,600.00	
	$5,600.00	
Amount transferred September 18, 1907, to Commons, Squares and Public Grounds	800.00	
		4,800.00
Bath House.		
Amount appropriated March 30, 1907		2,300.00
Salaries.		
Amount appropriated March 30, 1907		2,200.00
Sections G and H.		
Amount appropriated March 30, 1907		2,000 00

General Account.		
Amount appropriated March 30, 1907	$500.00	
Amount appropriated June 25, 1907	900.00	
		1,400.00
Rindge Field.		
Amount appropriated March 30, 1907		1,000.00
Sand Gardens.		
Amount appropriated March 30, 1907		200.00

During the year bills payable from Park Loans have been approved by the Board and certified to the Auditor to the total amount of $26,957.59, as follows:—

Park Lands and Construction.

River Parkway, Section B.		
Construction account	$180.46	
River Parkway, Section C.		
Construction account	23,491.98	
General Account.		
Construction account	216.42	
Nursery.		
Construction account	97.41	
Rindge Field.		
Construction account	1,899.30	
East Cambridge Embankment.		
Construction account	72.25	
Mill Pond.		
Construction account	999.77	
Amount expended		$26,957.59
Amount unexpended		6,220.04

During the year bills payable from Park Maintenance have been approved by the Board and certified to the Auditor as follows:—

	Amount Expended.	Balance Unexpended.
Brown Tail Moth Extermination	$8,999.67	.33
Cambridge Field and Shelter	5,999.89	.11
Commons, Squares and Public Grounds	5,299.61	.39
Shade trees	4,999.92	.08
Sections A, B, D and F	4,799.65	.35
Bath House	2,299.56	.44
Salaries	2,144.00	56.00
Sections G and H	1,999.77	.23
General Account	1,399.59	.41
Rindge Field	999.66	.34
Sand Gardens	199.79	.21

A detailed classification of the expenditures will be found in the report of the General Superintendent.

Since the beginning of the work in 1893 there has been expended to date of money raised under Park and Esplanade Loans, the sum of $1,527,167.10.

The division is as follows:—

River Parkway, Section A.		
Construction account	$162,325.72	
Land account	9,416.83	
		$171,742.55
River Parkway, Section B.		
Construction account	$97,261.83	97,261.83
River Parkway, Section C.		
Construction account	$104,182.59	
Land account	31,701.08	
		135,883.67
River Parkway, Section D.		
Construction account	$111,998.64	
Land account	95,047.25	
		207,045.89
River Parkway, Section E.		
Construction account	$935.72	
Land account	60,110.00	
		61,045.72
River Parkway, Section F.		
Construction account	$62,431.58	
Land account	67,491.62	
		129,923.20
River Parkway, Section G.		
Construction account	$120,669.41	
Land account	86,824.82	
		207,494.23
River Parkway, Section H.		
Construction account	$13,135.30	13,135.30
Cambridge Field.		
Construction account	$127,315.28	
Land account	78,884.85	
		206,200.13
East Cambridge Embankment.		
Construction account	$102,608.93	
Land account	45,231.40	
		147,840.33
General Account.		
Construction account	$52,930.22	52,930.22
Rindge Field.		
Construction account	$16,045.34	
Land account	31,461.85	
		47,507.19
Office Expenses.		
Construction account	$15,915.29	15,915.29

Broadway Park.		
Construction account	11,635.27	11,635.27
Nursery.		
Construction account	8,844.95	8,844.95
Improvements at Rindge Field.		
Construction account	7,788.98	7,788.98
Hastings Square.		
Construction account	2,683.07	2,683.07
Baths and Lockers.		
Construction account	2,500.00	2,500.00
Winthrop Square.		
Construction account	1,866.26	1,866.26
Mill Pond.		
Construction account	999.77	999.77
Fort Washington.		
Construction account	929.79	929.79
Washington Elm.		
Construction account	466.98	466.98
Porter Square.		
Construction account	20.87	20.87
		$1,531,661.49
Less Park revenue for 1894 and 1896 merged into land and construction accounts . .		4,494.39
		$1,527,167.10

Of the whole amount of Park Loans expended to December 1st, 1907, 33 per cent. has been for land and 67 per cent. for construction, as follows:—

Land account (less revenues) . . .	$501,675.31	
Construction account	1,025,491.79	
	————	1,527,167 10

Respectfully submitted,

GEO. HOWLAND COX,
CHARLES S. CAHILL,
WILLIAM M. WADDEN,
Park Commissioners.

REPORT OF THE GENERAL SUPERINTENDENT OF PARKS.

CAMBRIDGE, December 1st, 1907.

To the Board of Park Commissioners of the City of Cambridge:—

GENTLEMEN:—I have the honor to present, herewith, my second annual report as General Superintendent of Parks, covering the financial year of 1907.

SECTION A.

(*Area* 9.07 *acres.*)

Section A extends from the south line of Main Street, as widened for the approach to the new Cambridge Bridge, to the west line of the third street east of Massachusetts Avenue.

Seven Welsbach lights have been maintained during the year.

The trees on this section are in good condition, and twelve new trees have been planted to replace those that have died.

About 300 feet of the sea wall at the approach to the new Cambridge Bridge has been rebuilt and ballast placed back of it by the Bridge Commissioners. The area back of this sea wall, which is being filled by the Street Department, is very near completion. The completion of the new exposition building that is being built will necessitate grading and finishing of that part of the section directly in front of it. The ground here is in a very rough and unfinished condition, and no doubt this building when in use will draw a very large number of people from all parts of the country, hence the park in front should be put in proper condition.

Up to the present date, 29.4 cubic yards of loam have been placed here at a cost of $26.46.

SECTION B.

(*Area* 19.72 *acres.*)

Section B. extends from the west line of the third street east of Massachusetts Avenue to the west line of the fourth street west of the avenue, but does not include Massachusetts Avenue.

Twenty-six Welsbach lights have been maintained during the year.

The usual work of maintenance has been done here during the

season, four men being constantly employed from the first of April to the first of November, and two men the remainder of the year, cutting grass, cleaning shrubbery beds, edging the ribbon strips and keeping the roadway and sidewalks in proper condition. During July and August, when not cutting grass, they were employed removing the weeds that had taken quite a foothold.

The clay on 600 feet of the 30-feet road, as well as 600 feet of the 40-feet road, purchased by my predecessors, has been removed and carted to the last bed on this section and used for sub-grade. This was done because clay is useless for road purposes in wet weather or when the frost was coming out of the ground.

Eight new shrubbery beds have been made and planted with 1,200 shrubs of different varieties.

Seven new trees have been planted here in place of those that have died, and thirteen trees have been planted along the 30-feet road at the lower end of this section. The remaining trees have been retied.

The shrubbery beds are in good condition, with the exception of a few that require partial replanting.

Twelve new settees have been purchased and placed on the easterly side of Massachusetts Avenue facing the river. The other settees are in good condition.

The boat landing was placed in position and was well patronized by those using the river for boating.

The ribbon strips on the easterly side of Massachusetts Avenue have been spaded and are ready for seeding the coming spring.

The four catch basins on the lower end of the 30-feet road have been brought to grade, and the remainder of the catch basins on the section have been cleaned.

There still remains 357 feet of sea wall to be built on the section and in my opinion should be built before the river is dammed.

As I recommended in my report of last year, the 30-feet roadway west of Massachusetts Avenue should be resurfaced, as it is in poor condition, and this part of the road is used extensively for pleasure driving.

SECTION C.

(*Area* 13.39 *acres.*)

Section C. extends from the west line of the fourth street west of Massachusetts Avenue to the east line of Brookline Street, but does not include the right of way of the Grand Junction Railroad.

Considerable work has been accomplished on this section the past season.

In the spring seventy-two rock maple trees were planted in the tree pits that were prepared for them last fall. These trees have thrived exceedingly well, as only one of them has died. Considerable care was given them in the dry season, watering them thoroughly twice a week. Five hundred and twenty feet of the 30-feet roadway was brought to grade. This completed this roadway to the elevation of the new bridge.

One hundred ninety-nine loads and one thousand five hundred sixty-two and twenty-three one-hundreths cubic yards of loam have been placed on the ribbon strips at both sides of the 30-feet roadway, at a cost of $1,626.68. This leaves the ribbon strips here ready for seeding or sodding in the spring.

The tops of the piles of the unsightly bulkhead have been cut to sub-grade a distance of 840 feet, and the beach here has been graded the same distance at a slope of one foot in 10 feet, with the exception of six feet along the top of the beach that has a slope of 24 inches in 12 inches, which can be used as a sidewalk. There are 69,400 square feet of beach here, which completes it as far as the elevation of the new bridge.

The overhead bridge over the tracks of the N. Y. C. & H. R. R. R. was completed by the contractor September 7th.

The following material has been received on the section during the year at a total cost of $2,706.83: 391.6 cu. yds. cinders at 35 cents per cu. yd., 6,941.2 cu. yds. at 25 cents per cu. yd., 1,843 loads filling at 25 cents per load, 2,135.4 cu. yds. at 16 2-3 cents per cu. yd., 59.2 cu. yds. at 25 cents per cu. yd., and 12 loads ashes at 25 cents per load.

The roadway between Brookline Street and the new bridge is partially built, so that teams can drive on the bridge and dump off the easterly side, where there has been placed about 400 cubic yards of filling.

As the elevation at the bridge is over twenty feet above the present grade, large quantities of filling will be required to bring it to the grade of the proposed plan.

SECTION D.

(*Area* 38.31 *acres.*)

Section D. extends from the west line of Brookline Street to the south line of River Street.

Twenty-nine Welsbach lights have been maintained here, eighteen

on the driveway and eleven on the island, together with three arc lights on the beach during the bathing season.

The usual work of maintenance has been done during the season.

Two men have been constantly employed cutting grass, cleaning shrubbery beds, and taking care of the roadway between Magazine and Brookline Streets, as well as cleaning the beach and washing the bath houses during the bathing season. The extension of the park roadway at Brookline Street was completed by the Bridge Commissioners. Ten young red oak trees have been planted in place of those that we were obliged to remove on account of a change in grade. The ribbon strips at this point have been graded and a border of sod laid on and the balance seeded.

On account of the automobiling here, the surface of the road bed is being destroyed, especially so at the junction of Magazine Street and the Park driveway. At this curve the road bed is worn to a depth of from four to six inches and should be resurfaced the coming season.

The trees and shrubs are in good condition.

Much time was given here to weeding the lawns, and they are now in a fair condition.

The bath house was open from June 19th to September 14th. The usual number of attendants were employed: two life guards, two men in the men's bath house, one man in the men's locker house, one man in the boys' locker house, one woman in the women's bath house and one selling tickets. During the very warm weather, thousands of people availed themselves of the privilege afforded them, especially the younger boys and girls, remaining there during the entire bathing hours. The laundry work was done by the J. & C. Laundry at a cost of $2.00 per hundred pieces for the suits and $1.00 per hundred for the towels and stockings. The laundry gave fairly good satisfaction, as many times they worked Sunday to accommodate the department after a warm Saturday, when we would be short of suits and towels.

One hundred thirty-two men's suits were bought this year and 240 towels.

The total receipts from the use of suits, towels and lockers were $1,263.68.

I wish to repeat my recommendation of last year, namely, that some suitable person be employed as superintendent of the beach during the bathing season. It will be necessary before next season to have a covering of fine sand put on the beach, as there are several bad places that should receive attention.

The ball field received the usual attention during the season. The grass and weeds were cut and the field raked and rolled several times. Thirty-seven permits were granted to play ball during the season. This number does not represent all the games that were played, as during vacation the field was in constant use.

Except for a few loads of ashes placed by the Street Department on the parkway between Magazine and River Street, no construction work was attempted.

SECTION E.

(*Area* 1.77 *acres.*)

Section E. extends from the north line of River Street to the south line of Western Avenue.

There was no construction work done on this section the past year.

SECTION F.

(*Area* 13.89 *acres.*)

Section F. extends from the north line of Western Avenue to the east line of Boylston Street.

Nine Welsbach lights have been maintained here during the year.

There were two men constantly employed here during the season cutting grass, cleaning shrubbery beds, edging ribbon strips and keeping the roadway and sidewalk clean.

Thirteen young red oak trees have been planted here to replace those that have died.

The Boston Elevated R. R. Company built an extensive addition to its power station, and about 6,000 cubic yards of filling were delivered and levelled, free of charge, on the park road between De Wolfe Street and Western Avenue. This has widened the proposed roadway to its full width.

As this roadway is being used much more extensively for driving, I would recommend that it be put in proper condition the coming season, as it can be done at a small expense, because the road is all at sub-grade at present.

The new Weld Boat Club House has been completed, hence the old boat house is at the disposal of the Commissioners for whatever purpose they may wish to use it.

SECTION G.

(*Area* 16.07 *acres.*)

Section G. extends from the west line of Boylston Street to the east line of the land of the Stillman Infirmary.

Twenty-six Welsbach lights have been maintained here during the year.

Three men have been employed here during the season cutting grass, cleaning the roadway and beach, also taking care of the shrubbery beds.

On account of the large amount of grass on the section, it became necessary to use the horse lawn mower two days a week during the early spring.

Twenty-two young plane trees were planted to replace those that had died.

The wire fences have been repaired several times during the season.

Some of the settees on this section are considerably worn, as they are used a great deal here and should be replaced the coming season.

The beach between Bath Street and Gerry's Landing should be resurfaced with gravel, as the action of the tide at this point has caused much erosion.

The lawns here have been thoroughly weeded and are now in good condition.

The roadway here is also considerably used by automobiles, and is commencing to show much wear and will soon require attention.

SECTION H.

(*Area* 1.44 *acres.*)

Section H. extends from the east line of the land of the Stillman Infirmary to the Metropolitan Park taking at Gerry's Landing.

The usual care was given the grass and trees on this section by the men who cared for Section G.

EAST CAMBRIDGE EMBANKMENT.

(*Area* 8.35 *acres.*)

The only work done here the past year was the replanting of thirty-one red oak trees, which did not seem to thrive much better than the last, and I would recommend the planting of rock maple here, as they seem to thrive much better on the river front.

By a vote of your Board, the Dam Commissioners have used a large part of this area for storage purposes during the construction of the dam. The foundation and abutments for the new bridge over the Lechmere Canal have been completed and part of the steel on the southerly side has been placed in position.

MILL POND.

This ground was used as a dump for many years and was in a very uneven condition. To put this ground in proper condition for a ball field and playground, it was necessary first to remove all the weeds so as to plow and harrow it. Scoops were used for leveling and the ground graded with about six inches of sandy loam for a top dressing and then it was thoroughly rolled.

A diamond was laid out and a back stop built on the field for baseball playing, and this has proved to be very much appreciated, as the field has been much used and many large games played there during the season.

RINDGE FIELD AND NURSERY.

(*Area* 11.52 *acres.*)

Considerable work has been accomplished here during the past season.

Two Welsbach lights have been maintained here during the year.

The lawn on Rindge Avenue has been completed as far as the fence.

The shrubbery and trees have been planted and the remainder of the ground graded and made ready for seeding.

A catch basin has been set here for drainage and 60 feet of 6-inch pipe has been laid to the sewer on Rindge Avenue. The plan calls for this bed to take in the sidewalk on Rindge Avenue, but as there was no edgestone on that part of the street the department thought it better not to spend $450.00 for 300 feet of edgestone and gutter this year, therefore the bed remains uncompleted.

The lawn on Yerxa Road has been graded as far as the gymnasium, and shrubs and trees planted, and the lawn graded and ready for seeding.

The centre lawn has been thoroughly plowed and harrowed, loam placed here to a depth of 12 inches, shrubs planted and the lawn graded and made ready for seeding.

A catch basin was put in here also, and 100 feet of 6-inch pipe were laid to the sewer on Yerxa Road. The work of excavating and filling was done by the men of the department, the masonry work and laying of the pipes by the men of the sewer department.

The walk running parallel with Rindge Avenue was brought to grade and covered with a good binding gravel a depth of two inches, as well as the eight-feet walk running from the junction of Rindge Avenue and Yerxa Road to the Shelter.

The yard in front of the Shelter, which was brought to sub-grade last year, also received a covering of binding gravel a depth of two inches. The part of the yard south of the building, facing the ball field, will require filling before it is completed. Shrubbery beds were made and shrubs planted around the building, making a total of 1,000 shrubs planted on the field.

The ground for the girls' gymnasium along Groveland Road has been cut down to sub-grade, the loam taken out being reserved for finishing.

The gymnasium that was erected on the Yerxa Road side of the field last year has been removed from there and set up in the vacant lot south of Railroad Street in order that those using the gymnasium would not annoy the abuttors. Since the change it has been well patronized by the young people, especially on Saturday afternoons.

The ball field received particular attention. The grass was cut and the in-field raked and rolled several times during the season.

Twenty-four bleachers were erected for the benefit of the spectators, in order that they might enjoy the games in comfort.

Last winter the field was flooded for skating, but on account of the sandy bottom it was found impossible to keep the water there.

The Shelter was opened on May 10th from 10 a. m. to 6 p. m. A matron had charge of the building, and as there was no heating apparatus, it was closed November 1st, for the winter months.

One man has been constantly employed in the nursery, taking care of the shrubs. As I recommended last year, there are many trees that should be cut down, as they have grown too large to be transplanted.

The following inventory gives an account of the stock on hand in the Nursery:

TREES.

Acer platanoides	1
Acer saccharum	5
Platanus orientalis	35
Populus Bolleana	6
Quercus rubra	153
Salix pentandra	7
Salix Wisconsin	3
Ulmus Americana	100

SHRUBS.

Amorpha fruticosa	6
Andromeda floribunda	10
Andromeda japonica	3
Aralia pentaphylla	72
Azalea amoena	12
Baccharis halimifolia	12
Buxus sempervirens	17
Calycanthus floridus	21
Caragana arborescens	44
Celastrus scandens	40
Clethra alnifolia	200
Cornus alba	12
" florida	30
" paniculata	19
" sericea	150
" siberica	5
" sanguinea	51
Crataegus oxycantha	51
Deutzia crenata	16
Deutzia gracilis	10
Eleagnus longipes	14
Euonymus Americana	2
Euonymus radicans	100
Exochorda grandiflora	18
Forsythia fortuneii	100
Forsythia viridissima	71
Hydrangea asplenifolia	45
Ilex glabra	12
Kalmia latiforlia	30
Ligustrum vulgaris	16
Lonicera brachypoda	60
" halliana	40
" tatarica alba	22
" tatarica	78
Lycium barbarum	
Mahonia aquifolia	20
Philadelphus coronarius	
Periploca graeca	12
Rhamnus catharticus	20
Rhodotypos kerriodes	5
Rhus aromatica	13
" canadensis	30
" typhina	20

Ribes aureum	2
Rosa blanda	24
" multiflora	12
" nitida	1
" robina	6
" rugosa	210
" setigera	8
" wichuraiana	8
Spiraea Anthony Waterer	45
" aurum	6
" billardii	9
" bumalda	36
" pruniflora	5
" salicifolia	37
" Van Houteii	20
" tomentosa	20
Stephanandra flexuosa	36
Symphoricarpos racemosus	90
" vulgaris	49
Syringa vulgaris	20
Tamarix africana	12
Viburnum cassinoides	25
" dentatum	12
" lantana	34
" lentago	20
" opulis	14
" opulis nana	5
" tomentosa	10
Vinca minor	100
Xanthrorrhiza apilfolia	180

CAMBRIDGE FIELD.

(*Area* 12.64 *acres.*)

The usual work of maintenance has been done here during the season.

Four men have been employed during the spring and summer months.

The shrubbery beds were thoroughly cleaned and the shrubs trimmed. Two hundred shrubs of different varieties were planted in the several beds to replace those that had been trampled on and died out.

Forty-eight young plane trees were planted to replace those that have been dying for several years past. Two trees that were previously planted have died this year, and it seems as if this variety does not thrive in this climate, for the past twelve years sixty-five of these trees have died, although given the best of care.

By a vote of the City Council, the Water Board erected an ice water fountain, which replaced the ordinary water fountain that was placed there when the field was first opened, and this is much appreciated by those who patronize the field.

The ball field has been extensively patronized, both winter and summer.

Last winter there were twenty-six days of skating, and on those days a large number of persons, old and young, availed themselves of the privilege.

During the summer months large crowds assembled every day, and on Saturday afternoons and holidays numbering several thousand. Games of baseball, cricket and other games took place every day.

On July 4th and Labor Day there were series of races on the running track, which were successfully carried out and largely attended. The track, being used quite frequently by runners in training, together with the locker rooms and baths, has proved quite a convenience.

There were three band concerts during the summer and an entertainment for the children during Old Home Week.

The locker rooms and baths were painted.

The windows were repaired and new ropes put in twelve of these windows.

The flag-pole received two coats of paint. I find it impossible to keep the pole clean, as the smoke from the surrounding factories and locomotives discolors it almost immediately.

The walks around the Shelter have been resurfaced with stone-dust.

The shower baths have been well patronized, as will be seen by the following table of bathers, as well as the total receipts of $345.68, the largest amount of revenue since the opening of the baths.

	Men.	Women.	Boys.	Girls.
December, 1906	1,527	442	545	28
January, 1907	1,429	374	242	
February, "	1,428	400	235	
March, "	2,365	800	577	78
April, "	1,943	505	512	60
May, "	2,521	667	1,293	107
June, "	6,201	1,813	6,001	540
July, "	8,422	2,301	8,653	905
August, "	6,483	2,029	9,503	975
September, "	4,495	1,357	2,941	313
October, "	2,535	689	980	53
November, "	2,594	613	955	
	41,943	11,990	32,337	3,059

Grand total, 89,329.

The following is a list of stock on hand at the field:—

1,300 ft. rope (new).
800 towels.
150 ft. garden hose.
150 ft. rope.
30 iron stakes.
4 crow bars
4 scuffers.
4 lawn mowers.
4 reed push brooms.
4 barrels wood ashes.
4 iron rakes
3 wooden rakes
3 long-handled shovels
2 wooden scoops
2 sickles
2 floor brushes
2 feather dusters.
2 picks.
2 spades
2 grubbers.
2 short handle shovels
2 step ladders
2 lanterns
2 iron wheelbarrows
1 pair large trimming shears.
1 pair small trimming shears.
1 monkey wrench.
1 wooden wheelbarrow.
1 sod edger.
1 sledge.
1 hand saw.
1 fork.
1 axe.
1 platform truck.
1 iron roller.
1 ice scraper.
1 large reel for fire hose
1 box soap.

CAMBRIDGE COMMON.

Two men were employed constantly during the season cutting grass, cleaning the walks and lawns.

The dandelions and chickweed have been removed from the lawns.

The baseball grounds were kept in good condition, and were well patronized during the ball season.

The fences around the Common and Soldiers' Monument are both in good condition.

Four hundred seventy-eight square yards of granolithic walk were laid four feet wide from Massachusetts Avenue to Waterhouse Street. This walk is a great improvement to the Common and will last for many years, and does away with the expense and care of board walks.

I would recommend that a sufficient appropriation be made to lay three more of these walks across the Common, doing away entirely with the board walks.

The flag-pole was found to be four feet out of plumb. Upon investigation, it was found that the timbers used as braces had become entirely rotted. Four new oak braces, fourteen feet long, one foot wide, and one foot high, were set to replace the old ones and wedged in on both sides, making the pole perpendicular. The weather vane received two coats of sizing and one of gilding and the pole two coats of paint. As it now stands, it should last many years with little expense.

BROADWAY COMMON.

The iron fence around the Common should receive a coat of paint the coming season, then it will be in good condition.

Owing to the large number of people who frequent this park, the wire fences around the lawns require almost constant repairing.

As usual the board walks were laid and maintained for the winter months.

The top-mast of the flag-pole was in such condition that it was necessary to take it down to have it repaired, two feet at the top had so rotted that it had to be cut off, the lower end of the pole was split badly and required two bolts to secure it. The weather vane was gilded and the entire pole received two coats of paint.

FORT WASHINGTON.

The usual care has been given the grass and shrubbery beds, the walks scuffled and cleaned.

The base of the flag-pole is in very bad condition, so much so that the top-mast cannot be raised. To repair this, the pole will have to be taken out of the ground and about six feet of the decayed wood sawed off. To do this, together with resetting and painting, will cost $125.

HASTINGS AND DANA SQUARES.

The usual care was given the grass and shrubs.

The walks were edged and kept clean.

The shrubbery beds were scuffled.

The large shrubbery bed in the centre of the walk at Dana Square was removed, as it was quite inconvenient for pedestrians to walk around it, as was seen by the path made through the bed.

WASHINGTON ELM.

The macadamizing of Garden Street with bitulithic by the Street Department made it evident that some plan would have to be found to give this historic tree some moisture. With the advice of Professor Sargent, of the Arnold Arboretum, 80 feet of two-inch perforated water pipe was laid on the south side of the tree five feet deep, so that in the dry season or whenever necessary the water can be turned on so as to supply the roots with sufficient moisture. On the north side a trench, 16 feet long and three feet wide and six feet deep, was excavated and filled with paving block to within six inches of the surface, then a layer of cracked stone was laid, and the bitulithic laid on this as a foundation. A six-inch earthen pipe was laid here a depth of 18 inches to run from the car track and empty into the trench or dry well. This pipe is fed with water from a hydrant through an iron grating that was laid between the tracks. This treatment will give the tree the moisture it so much needed. Two dead limbs were removed and the iron fence surrounding the tree painted.

CITY HALL.

The grounds about the building received the usual care, the grass cut, and the weeds removed.

WINTHROP SQUARE.

During the season the usual care has been given the shrubbery, grass and walks.

The wire fences were repaired.

The shrubbery beds require more loam to bring them to grade.

PUBLIC LIBRARY GROUNDS.

The grounds surrounding the Public Library, Manual Training, English High and Latin Schools received the usual attention.

Two men have been constantly employed cutting grass, cleaning the walks and shrubbery beds.

The shrubs in the beds on the library grounds had grown so large that it was necessary to cut back.

The lawns in front of the English High School were thoroughly weeded and are now in good condition.

The walks at the Manual Training School were so low that the water lodged there. About 50 cubic yards of gravel were placed there at a depth of from six to twelve inches.

The lawns here are also low and should be brought up to the grade of the sidewalk.

SAND GARDENS.

The $200.00 appropriated for sand gardens was spent as follows:— Ten boxes, 12 feet by 12 feet by 18 inches, were built, and one each placed in the school yards named: Gore, Lasell, Riverside, Tarbell, Taylor, and Parker, and two each placed on Broadway Common and Rindge Field. Swings were also erected on the field, which were greatly appreciated by those using them during the vacation season.

SHADE TREES.

As soon as the ground was in suitable condition the work of planting trees was commenced and 382 trees were planted during the season in different parts of the city, as well as different sections of the River Parkway; 65 new wire guards were placed and 221 repaired; 187 trees were trimmed on orders sent in by the police and citizens, and the following table shows the number of trees trimmed on streets systemically:—

Street.	No. trimmed.	Street.	No. trimmed.
Allston,	38	Magazine,	157
Auburn,	26	Mass. Avenue (Pleasant St. to Quincy Sq.),	90
Broadway (Inman Street to Memorial Hall)	103	Montgomery,	14
Brookline,	60	Newton,	3
Chestnut,	68	Niagara,	9
Cogswell Avenue	30	Park,	23
Cottage,	28	Pearl,	103
Decatur,	12	Perry,	21
Erie,	37	Pleasant,	51
Fairmont,	24	Prince,	18
Florence,	25	Putnam Avenue,	53
Franklin,	27	Salem,	3
Granite,	25	Sherman,	39
Green,	5	Tufts,	6
Hamilton,	43	Upton,	10
Hastings Square,	10	Valentine,	8
Henry,	10	Warland,	26
Lake,	8	William,	18
Lawrence,	15		

The trees on these streets had grown so low that they were a menace to pedestrians and teams.

There are many other streets on which the trees should receive similar treatment. An inspection of all street trees has been made and shows that there are still a large number of them which are dead and dying that should receive attention the coming season. In order to do this a larger appropriation for shade tree work should be made.

The following list shows the streets and sections on which trees were planted this year:—

Section A,	12	Haskell Street,	4
Section B,	20	Leonard Avenue,	7
Brookline Street,	7	Mt. Auburn Street,	2
Section C,	72	Mt. Pleasant Street,	1
Cambridge Street,	1	Mt. Vernon Street,	3
Cambridge Field,	48	Perry Street,	1
Concord Avenue,	12	Pleasant Street,	2
Creighton Street,	2	Prospect Street,	2
Crescent Avenue,	2	Raymond Street,	2
Section D,	10	Reservoir Street,	6
E. Cambridge Embankment,	31	Richdale Avenue,	2
Exeter Park,	2	Rindge Avenue,	3
Section F,	13	Rindge Field,	46
Fairfield Street,	31	Rockingham Street,	1
Fayette Street,	7	Vincent Street,	1
Fourth Street,	1	Walden Street,	1
Section G,	22	Washington Avenue,	1
Gurney Street,	3	Woodbridge Street,	1

GYPSY AND BROWN TAIL MOTH EXTERMINATION.

A large number of men were employed during the winter months removing the nests of the brown tail moth from the branches of the trees and treating the nests of the gypsy moth with creosote. Seven thousand five hundred and seventy-five street trees were cleaned and about 3,000 private estates, a charge of 25 cents per hour for time spent and 25 cents per gallon for creosote used being made for the latter work, the total of the amounts charged being $3,499.

At the request of Professor Norton, the department cleaned his large estate, consisting of 1,200 trees. The trees were badly infested with the gypsy moth especially, and nine men were employed here almost two months at a cost of $762.51. The work done has proved most successful, as this year only one-tenth as many nests have been found.

In the latter part of May, bands of burlap were placed about the trunks of 6,816 trees at a cost of about 2 1-2 cents per tree, one-half cent for burlap and two cents for labor.

I consider this one of the most economical ways of exterminating

the pest. Their habits are to feed on the foliage at night and to descend in the early morning to the trunk of the tree for shade and protection from the sun. The burlap then becomes a trap for them. When the burlap is turned, they are found in large numbers and can easily be destroyed with wire brushes. We find on the trees thus treated now very few nests.

ELM LEAF BEETLE.

As I said in my report of last year, the elm leaf beetle still continues to make havoc of the elm trees throughout the city. If these trees are to be saved, it will require a large enough appropriation to do the work and purchase two new spraying machines so that every elm tree can be thoroughly sprayed. The time is so limited for this work that it cannot be commenced until the middle of May, when the leaf is at least three-quarters developed, and to be effective all spraying should be done by July 1st.

The mature beetle hibernates in large numbers under shingles and clapboards of buildings and under the rough bark of trees, and elsewhere. In May the beetles emerge from their winter quarters and feed for some weeks on the foliage of the elm, making round holes through the leaves. A badly infested tree at that time of year appears as if charges of fine shot had been fired through the foliage. The eggs, similar in appearance to those of a potato beetle, are laid in clusters on the under side of the leaves. Hatching takes place late in May or early in June.

The slugs feed on the lower epidermis of the leaf, and by July 1st often cause the trees to turn as brown as if scorched by fire. When full-grown the slugs are about one-half inch long, yellowish, with a conspicuous black stripe on either side, and black dots down the centre of the back. About the middle of July they descend to the trunk of the tree or to the ground and pupate in large masses. The pupæ are orange yellow in color, and from them the beetles emerge by August 1st.

REMEDY.

Spraying with arsenate of lead during the first two weeks of June will destroy the slugs and prevent injury to the trees. Care must be taken to thoroughly spray the under surface of the leaves. Later in the season the slugs and pupæ may be destroyed in the bark or at the

base of the trees by the use of a strong soap suds, kerosene emulsion or even hot water.

The following is an inventory of the stock on hand at the Stable:—

800 ft. manila rope.
800 ft. garden hose.
600 ft. rope (poor condition).
600 ft. spraying hose (poor condition).
400 ft. garden line.
400 ft. spraying hose (good condition).
300 ft. one-inch rope.
325 tree poles.
250 fence poles.
100 ft. ladder rope (good condition).
75 gals. creosote.
60 four-feet stakes.
45 shears for poles (poor condition).
44 ordinance signs.
40 pounds marline.
40 ft. wire netting.
36 balls twine.
33 long-handled shovels (poor condition).
31 bamboo poles (new).
28 picks (poor condition).
25 pounds staples.
22 iron rakes.
18 manure forks.
18 lawn mowers (fair condition).
18 sprinklers.
16 lanterns.
15 scuffle hoes.
15 wheelbarrows (poor condition).
14 wooden snow shovels.
14 new wooden rakes.
14 sickles.
13 garden hoes.
12 new lawn mowers.
12 grub axes (poor).
12 new long-handled shovels.
12 broken shear poles.
11 snow shovels.
10 extension ladders.
10 spraying rods.
10 wooden rakes (poor condition).
10 weed diggers.
10 gals. disinfectant.
9 spading forks.
8 half ladders.
6 push brooms.
6 gravel screens.
6 oil cans.
5 iron wedges.
5 medium rammers.
5 mallocks.
5 edging knives (poor condition).
5 wheelbarrows (good condition).
4 light rammers.
4 iron rakes (poor condition).
4 cross-cut saws.

4 grub axes (good).
4 paving rammers.
4 pieces burlap.
4 corn brooms.
3½ bu. grass seed.
3 crow bars.
3 hand saws.
3 scythes.
3 measuring rods.
2½ gals. lubricating oil.
2 axes (poor).
2 set falls.
2 spading forks (poor).
2 sod cutters.
2 spraying hand pumps.
2 hedge shears.
2 hand screws.
2 pole saws.
2 claw hammers.
2 draft horses.
2 iron malls.
1½ bbls. lantern shades.
1 water pump.
1 wooden mall.
1 iron hand roller.
1 ash sifting machine.
1 set falls (poor condition).
1 carriage.
1 carriage horse.
1 set skids (poor condition).
1 set skids (good condition).
1 watering cart.
1 team.
1 tip cart.
1 Olds gasolene power engine.
1 digging spade.
1 horse mower.
1 100-gal. oil tank.
1 head light.
½ bbl. twine.
½ gross scythe stones.

THE YEAR'S EXPENDITURES.

The expenses of the Department for the year are shown in the summary of departmental accounts in the report of the City Auditor.

REPORT OF THE SUPERINTENDENT OF STREETS.

To the Honorable, the City Council:—

GENTLEMEN:—In accordance with the provisions of Section 4, Chapter 25, of the Revised Ordinances, the annual report for the year ending November 30, 1907, of the Superintendent of Streets is herewith respectfully submitted.

The standard appropriations of the Department are first treated in alphabetical order and are followed by the special appropriations.

BRIDGES.

Appropriation		$7,631 62
Pay-roll, salaries of draw-tenders	$4,864 00	
Pay-roll, labor:—		
First Street Bridge	142 39	
Third Street Bridge	192 41	
Sixth Street Bridge	328 86	
Mt. Auburn Bridge	100 50	
Repairs, exclusive of pay-roll charges:—		
First Street Bridge	417 56	
Third Street Bridge	321 83	
Sixth Street Bridge	1,008 12	
Walden Street Bridge	39 43	
Mt. Auburn Bridge	122 16	
		7,537 26
Balance		$94 36

The unusually large amount expended under this appropriation during the past year is accounted for by the fact that a heavily loaded team broke through the Sixth Street bridge, and when it was stripped for repairs it was found necessary to replace nearly all of the draw arms, to put in new hard pine header and entirely re-deck and re-sheathe the bridge, the entire cost being nearly $1,400. In addition to this expense, the dredging operations carried on by the Charles River Basin Commission at the Broad Canal and the operation of the 48-hour per week law made it necessary to increase the force of draw-tenders on these canal bridges to six. Of the amount expended for draw-tenders shown above, $2,098 was repaid to the city by the Charles River Basin Commission. The operation of these bridges in the future will have to be conducted under the above mentioned law and will require that the present force employed there be retained.

The annual inspection made by the City Engineer of the bridges in charge of this department, together with a report on a special examination of the First Street bridge, is as follows:

OFFICE OF CITY ENGINEER.

CAMBRIDGE, October 17th, 1907.

"Mr. George M. Clukas, Sup't of Streets, Cambridge, Mass.

"DEAR SIR:—At your request I have examined the First Street Bridge, and find that the same is in very poor condition. The bridge was built in 1892. The total cost was $6,692.44. The main timbers of the bridge have not been renewed since that date and are now evidently in a more or less decayed condition. The constant passing of vessels through the draw has split and broken many of the draw piles, so that the draw itself is now in an unsafe condition. The deck of the bridge is also badly decayed and worn, and is also in an unsafe condition. The passing of heavy loads over the bridge causes undue vibration, which is constantly loosening the bridge and rendering it still more unsafe. In my opinion it would not be good judgment to attempt any extensive repairs upon the bridge, but if anything is done, it should be thoroughly overhauled, old timbers and deck stripped off and replaced with new work and a large number of heavy oak piles driven.

"To do this in a thorough manner would cost approximately ten thousand dollars ($10,000). It is also possible that the bridge could be raised a small amount at the same time.

"It might be possible to replace the bridge with one of a more durable character and more modern type, something like the bridge across Lechmere Canal, now in the process of construction. The expense would be very great and the time occupied in its construction would also be long.

"It seems to me that perhaps under the circumstances the most satisfactory thing would be to make a thorough reconstruction of the bridge as it is.

"I should certainly recommend immediate action in this matter.

"Yours very respectfully,

"(Signed) L. M. HASTINGS,

"City Engineer."

THIRD STREET BRIDGE.

This bridge is in generally very poor condition. Many piles have been weakened; much of the timber has become decayed, and the planking of the floor is practically worn out.

This bridge should be thoroughly overhauled and rebuilt the coming season.

SIXTH STREET BRIDGE.

The southerly half of this bridge is in fair condition, having been repaired in 1907.

The northerly half is in very poor condition, and the timber and planking should be renewed, the facing on the draw replaced, and the piling strengthened.

WALDEN STREET AND HURON AVENUE BRIDGES.

These are steel bridges, and are in general good condition, and will need only minor repairs, painting, etc., the coming season.

COMMERCIAL AVENUE BRIDGE.

The new bridge now in process of construction at Commercial Avenue over the Lechmere Canal will be completed and probably ready for use on February 1 of next year. It will therefore be necessary to provide for the operation and maintenance of this bridge.

CLEANING STREETS.

Appropriation		$37,041 15
Pay-roll, general	$18,480 19	
Pay-roll, section men	10,279 00	
Pay-roll, night sweepers	2,641 25	
Teaming	3,996 26	
Hay	311 28	
Grain	510 72	
Hardware, tools, etc.	272 18	
Refilling machine sweeper brooms	172 00	
Machine sweeper repairs	10 93	
New equipment	108 00	
Sundries	202 81	
		36,984 62
Balance		$56 53

The amount expended, as shown above, is considerably greater than in former years, and it has been a great satisfaction to the department that we have been enabled to do so much street cleaning this year. It will be noted by an examination of the expenditures that a division is made in the accounts, showing the amount expended in general cleaning, the amount paid to the section men and the labor cost of the night sweeping. The expense of this night sweeping

during the coming year must be considerably increased, for the reason that the area of granite street paving is rapidly increasing. It will be necessary in order to sweep these streets, as is the custom every other night during the summer season, to add one or possibly two street sweeping machines, with the labor force necessary to run them. We have now nine and one-half miles, amounting to 233,323 square yards, of granite paved streets, which ought to be swept at least every other night during the summer season. The vitrified brick and other smooth paved streets are taken care of by the section men, and the addition of about 40,000 yards of smooth paving, laid during the present year, will necessitate the addition of at least two more section men. In addition to the regular spring and fall general cleaning, a small force of men has been employed practically all the year cleaning the gutters on macadamized streets. The appearance of the thickly settled sections of the city has been very greatly improved by this work, and I shall be very glad if provision is made for an increase of this force during the coming year.

COLLECTION OF ASHES.

Appropriation		$37,500 00
Pay-roll	$33,189 82	
Teaming	117 50	
Hay	1,585 04	
Grain	1,631 61	
Straw	29 73	
Hardware, tools, etc.	64 91	
Harnesses, repairs, etc.	140 35	
Renewals and repairs, wagons	183 02	
Horse shoeing and stock	56 03	
Painters' supplies	54 80	
New equipment	58 50	
Sundries	347 17	
		37,458 48
Balance		$41 52

The average citizen does not probably realize the rapid increase in our population, which is very clearly shown in the increasing amount of ashes and refuse which this division of the Street Department is obliged to collect and dispose of. During the past year there were collected 4,000 single and 1,000 double loads more than were collected in 1906. The scarcity of dumping places and the long distances we have been compelled to haul the refuse has increased the cost of this work to a very great extent. In addition to the regular equipment for the collection of ashes, we have been obliged during the past year to

add additional teams from other divisions of the department almost every day throughout the year. It is therefore absolutely necessary that the regular equipment of this department be increased by the addition of at least two of the large six-yard ash carts, with their necessary horses. Following will be found an account of the proposed plan of consuming light refuse collected by this department.

INCINERATOR PLANT.

Appropriation		$30,000 00
Pay-roll	$121 25	
Teaming	25 00	
Advertising and printing	23 75	
Traveling expenses and sundries	216 09	
		386 09
Balance		$29,613 91

The necessity of a change in the method of disposing of the ashes and rubbish collected by the Ash Department has, in several recent reports, been called to the attention of the City Council, and the last three inaugural addresses contained recommendations in favor of some plan of incineration. The Committee on Highways of 1906 devoted a great deal of time to the investigation of this subject, and under an order of the City Council were authorized to visit other cities in order to learn what had been done in this direction elsewhere, and I reprint a report made by that Committee last year.

CITY OF CAMBRIDGE.

In Board of Aldermen, June 26, 1906.

The Joint Standing Committee on Highways, to which was referred a communication from His Honor, the Mayor, calling "attention to the necessity of immediate action in relation to disposal of light refuse and waste paper from the City dumps," together with sundry other papers and recommendations carried over from the files of the previous two years in relation to the expediency of establishing one or more incinerators, *reports*:—— Under the order adopted by the City Council authorizing the Committee to visit incinerating plants in the Cities of New York and Brooklyn, the Committee arrived in New York on Friday, the 15th inst., and spent very nearly all of that day in an investigation of the combined refuse incinerating and power plant in Delancey Street, beneath the Williamsburg Bridge.

The building which contains the furnaces and boilers is a one-story structure, 70 x 150 feet in area, with brick walls and a steel trussed roof. It is divided into two rooms by a fire wall, in the front

of which is the receiving, baling and sorting floor; at the rear end are the boilers used for steam generation. From the sorting floor a short conveyer carries the refuse to the top of the furnaces, discharging between them, so that they may be fed by hand simultaneously. During the passage of the refuse over the conveyer the trimming contractor's men pick out a small proportion of the paper, which is baled by power presses and removed from the building. The remainder of the refuse furnishes fuel for the operation of the furnaces and the development of steam power.

There are two furnaces placed back to back, with a common smoke flue connection to the chimney. These furnaces are the same dimensions, but are unlike in interior construction. Furnace No. 1, designed by Mr. H. De B. Parsons, originally followed the same general construction as that of the Forty-seventh Street incinerator, except that there were two separate cells instead of three, and two charging holes placed on the side and delivering the refuse over a short incline to the fire grates which form the floor of each of the two cells. The grates consist of wrought iron bars rivetted up in sections. Each cell is a complete furnace in itself, having a charging hole, and stoking and ash pit doors.

The gases of combustion pass upward to a cross flue which is connected with the boiler and the stack, and is controlled by large fire-clay dampers. Each cell has a sliding door in the front end for the admission of large pieces of furniture, mattresses, etc.

The second furnace, designed by Mr. F. L. Stearns, of the Department of Street Cleaning, is practically the same size, but has a different arrangement of feed holes and grates. There is but one side feed hole, which is a straight passage from the charging floor to the fire grates, the other feed hole being on the top near the outlet, and large enough to receive barrels and other bulky matter. There are two sets of iron fire grates, placed horizontally, one above the other, so that partially burned matter from the upper set of grates may fall to the lower and there be wholly consumed, the ashes being raked out of the ash pits below.

There are two 200 H. P. Sterling water tube steam boilers, each with 1,950 square feet of heating surface. These are provided with the regular fire grates for using coal, and can be run independently of the incinerators. The boilers are fed from a pump in the adjoining building, the feed line passing through an economizer coil in the base of the stack, which heats the feed water to high temperature.

In the adjoining building are placed two 100 K. W. and one 50 K. W. direct connection engines, with generators of multipolar direct-current type, wound for 250 volts, operating a three-wire system. Their ratings permit an overload capacity of 25 per cent. The distribution, which is controlled by an eight-panel switchboard, provides for two circuits for local lighting and five for the bridge, which are arc lamps connected on the multiple system.

The chimney of these incinerators is of the radial brick type, and is 200 feet high; inside diameter 4 1-2 feet at the top. The

foundation is concrete, 14 feet thick, on 30-foot piles over an area of 24 feet square.

The cost of the building, chimney, furnaces, conveyor and outside driveway was	$34,193 00
Boilers and electrical equipment	49,391 00
	$83,584 00

At this plant the Committee found that they were disposing of about 170 loads of light refuse a day. More than 50 per cent. of this light refuse is taken by the contractor, who has the privilege of picking it over, and is baled and carted away. For this privilege the City of New York receives a large revenue. The absolutely valueless refuse is sufficient to furnish power enough to light about 150 arc lights and 500 incandescent lights of from 16 to 32 candle power.

On the following day the Committee, by courtesy of the officials of the Brooklyn Rapid Transit Company, were furnished a private car and shown the entire system of disposal in that city.

The first incinerator visited at Third Avenue, consists of a Decarie incinerator with a belt conveying the refuse to the furnace and has a guaranteed capacity of 105 cubic yards daily. It is operated by two shifts, consisting of an engineer and three laborers, each working twelve hours, which would mean under our eight-hour law, three shifts of the same number of men if the plant were kept running all the time. The building is built of corrugated iron with 125-foot stack. The plant produces a large amount of power, which is conducted through a pipe into a power house owned by the company in the immediate vicinity and is used in their daily business. We were informed by the superintendent that the cost of this plant complete, including all the houses, was a little less than $25,000, and the cost of repairs for the entire year was only $11.50. The next and last plant visited was at East New York, a suburb of Brooklyn Proper. The building of this station is 150 feet by 75 feet, wooden frame, corrugated iron covering, two stories high. One-half the area of the upper floor space is devoted to the ash collection teams which dump their loads into pockets or bins, beneath which the cars of the trolley line are loaded.

The other half of the upper floor contains a short belt conveyor for sorting the refuse brought by city teams, the picking bins and the office. The second half-floor below has another conveyor which receives the rubbish brought from the other stations, and which is burned without further sorting.

Conveyor No. 1, above, discharges into Conveyor No. 2, below, and the latter discharges directly into the furnaces.

The incinerator is a double furnace of the "bagasse burner" type, the fire boxes being divided by a bridge wall so that either may be run independently of the other. There are two grates placed horizontally; the upper consists of iron pipes connected into headers outside the furnace for water circulation, and spaced one foot apart. The

lower grates are of the usual cast-iron fire bar pattern. There are two doors at the front of each furnace for stoking and removing ashes. Both furnaces connect with a common combustion chamber, and this with a Sterling water tube boiler of 300-horsepower. The chimney is of radial brick type, 100 feet high. The steam power is utilized for operating an air compressor for drills and hammers in the neighboring repair shop of the B. R. T. R. R. Co., and for heating the buildings and running the conveyors.

In addition to this the company has just made a contract amounting to nearly $10,000 a year for the surplus power which is generated at this point.

The Committee was informed that the cost of this plant complete, including furnace, conveyors, etc., was a little over $30,000. One of the most striking things observed during the investigation of these several plants was the fact that there was absolutely no evidence in the vicinity that such an establishment was in operation. There was no litter about the premises, no odor, no smoke, nor nuisance of any kind, and any one of the plants could be located in a thickly settled portion of the city.

In all plants visited, provision was made by conveyor belts for allowing outside parties to select such portion of the refuse as was saleable and to take it away for that purpose. While the profit derived may seem an attractive feature, yet the Committee believe that the health of the citizens is of paramount importance and that the only proper and sanitary method of disposing of the entire amount of refuse collected by the city is by its total destruction. It cannot be denied that there is great danger in disseminating germs of disease and carrying them no one knows where under the system of sale of a portion of this matter, and the Committee are unanimously of the opinion that if any revenue is to be received by the operation of the incinerators it should be from the profitable sale or use of the steam power generated by the destruction of every particle of refuse collected.

This the Committee is assured can be accomplished in Cambridge at a reasonable initial expense, providing for a plant large enough to destroy all the refuse at present collected and allowing for the average increase for the next ten years. The Committee is not at this time prepared to state the probable cost or to recommend a definite appropriation, but desires to make this report concerning the investigations already made, and will at a later date submit a further report concerning the probable cost and the amount desired to be appropriated for the purpose.

Every facility for a thorough investigation on this subject was afforded the Committee by the officials of New York and Brooklyn, and the Committee desires to acknowledge its indebtedness and extend its thanks to Mr. John McGaw Woodbury, the Commissioner of Street Cleaning of the City of New York, and to Mr. A. R. Piper, Manager of the Brooklyn Rapid Transit Co., of Brooklyn.

For the Committee,

MARSHALL F. BLANCHARD.

During the past year his honor, the Mayor, and myself, visited Montreal, Toronto, Buffalo, and New York, in the further investigation of the various plants in operation in those cities. The result has been that we have finally completed a contract with Adolph Kern of New York for the construction of a plant similar to the one in operation at Third Avenue in Brooklyn, N. Y., to be located on the lot owned by the city on Main Street, nearly opposite Sixth Street, which was the only lot owned by the city available for the purpose. For the collection of the refuse in the eastern part of the city, it is very centrally located, and the heavy material in the northern part of the city can still be taken care of at the Raymond Street yard and other dumps there. The proposed plant will consist of a brick building, steel trussed and slate roof, and contains two stories. On the lower story is located the furnace, boilers, office, sanitaries and lockers for the men. The upper floor, which is 50 feet by 38 feet, is reached by a long incline, over which the carts are driven and in which there is ample room to deposit and store material if necessary. This floor contains four charging holes, which lead directly to the furnace, each of which may be operated separately. The material will be dumped to push into these openings and consumed at once. It is expected that this furnace will be capable of complete incineration of practically everything we collect and will handle about 60 tons of material per day. A Stirling boiler of 200 H.P. capacity will be installed and will produce steam power, which may be made available in a number of ways. There will be no offensive smell or smoke issuing from the plant, as the stack is to be 125 feet high and all the gases will be consumed before the smoke enters the stack. The construction of the building is under the supervision of the Superintendent of Public Buildings, and the entire plant must be satisfactorily operated for thirty days before it is accepted by the city. The contract price is $25,975, leaving a sufficient margin for the installation of water, sewer, and the proper grading of the lot. It will probably be necessary to expend an additional sum there for a proper fence, which can be done any time during the coming year.

The installation of this plant, I have no doubt, will prove a very great benefit to the manufacturers in the eastern part of the city, who are now compelled to cart their sweepings and light refuse a long distance. The power to be generated there may become a source of revenue sufficient to operate the plant, and I shall ask the incoming City Council to consider the possibilities in this direction at an early date.

CROSSINGS.

Appropriation		$2,663 00
Pay-roll	$1,309 80	
Teaming	437 50	
Hardware, tools, etc.	15 00	
Cement	192 00	
Granite flagging	262 64	
Gravel and freight	69 50	
Vitrified paving-blocks and freight	196 63	
Granite paving-blocks	179 20	
		2,662 27
Balance		$0 73

This amount has been expended for building new crossings of vitrified brick, granite flagging and granite blocks cemented. New crossings have been laid and a number of old crossings throughout the city have been repaired. These crossings have all been laid under direct order from the Mayor, as the charter provides that he shall designate where they shall be laid. There are several petitions for crossings and orders on hand which we are unable to complete this year, and there are a great many street intersections where crossings are badly needed. An appropriation of an equal amount should be made annually for some time to come in order to provide for this work.

EDGESTONES AND SIDEWALKS.

Appropriation		$26,500 00
Pay-roll	$10,476 88	
Teaming	2,265 63	
Hardware, tools, etc.	296 77	
Bricks	2,730 52	
Edgestones	7,993 62	
Gravel and freight	430 63	
Lighting	68 75	
Rebates on artificial stone sidewalks	781 25	
New artificial stone sidewalks	31 18	
Renewing artificial stone sidewalks	26 35	
Gutter stone	956 67	
Granite blocks	414 83	
Sundries	21 46	
		$26,494 54
Balance		$5 46

This amount has been expended this year entirely in the construction of new sidewalks. The work was practically all done in the early part of the year so that the estimated revenue would be received by the City Treasurer during the present financial year. The result of this

has been that the receipts for sidewalk assessments during the past year have been over $7,000 in excess of the estimated revenue. On a large number of streets throughout the city brick sidewalk, edgestones and gutter have been laid. A number of artificial stone sidewalks have also been laid. As usual there remains in the files of the Department a number of uncompleted orders and petitions which have not been acted upon. There seems to be no reason why this appropriation should not be made large enough so that the property holders desiring sidewalks in front of their estates, willing to pay their proportion of cost, would not be obliged to wait an unreasonable time before the work could be done.

MAINTENANCE—GENERAL.

Appropriation		$65,000 00

MAINTENANCE (MACADAMIZING, REPAIRS AND GENERAL EXPENSES.)

Pay-roll, fixed charges	$20,292 65	
Pay-roll, street work	17,843 00	
Teaming	2,273 13	
Hay	3,794 71	
Grain	2,743 32	
Straw	392 93	
Hardware, tools, etc.	468 93	
Harnesses, repairs, etc.	631 03	
Steam-rollers, repairs and supplies	1,346 92	
Stone-crushers, repairs and supplies	883 73	
Horse shoeing stock and tools	417 12	
Field stone	2,178 69	
Crushed stone	6,220 04	
Gravel and freight	280 78	
Fuel	1,252 48	
Street signs	153 50	
Lighting	372 36	
Telephones, stationery and miscellaneous office supplies	781 28	
Renewals and repairs, stables	478 42	
New equipment	710 80	
Carriage and wagon repairs	585 72	
Painters' supplies	336 64	
Stable supplies	267 77	
Repairs, etc., Raymond Street subway	23 20	
		$64,875 53
Balance		$124 47
Sundries	146 38	

As is perhaps now very generally known, nearly all the running and operating expenses of the various divisions of the Street Department are charged to the appropriation for maintenance, so that usually more than half the amount is expended in that way leaving only the remainder for work performed on the streets.

This appropriation, therefore, is the only one at the disposal of the Department for the maintenance and care of all the streets in the City. When the fact is taken into consideration that the fixed charges of operation, etc., take such a large portion of the amount it will be seen that the balance left is wholly inadequate to properly care for our 100 miles of streets. During the past year the increased cost of hay, grain, and other supplies has materially reduced this balance so that the amount actually available for street work is exceedingly less than in previous years. Whatever resurfacing, patching or macadamizing is to be done must come out of this appropriation, as the construction of new streets is provided for and appropriations are specifically made for that purpose. We have annually requested an appropriation of $100,000 for this work, but there has been very little change in the amount actually appropriated during the past ten years, although the mileage of streets to be cared for has steadily increased.

The following table of streets laid out and accepted during the past financial year, all of which have been completely constructed throughout, or are in process of construction, shows that we have added over a half a mile of roadway to be watered, cleaned and cared for in the future.

STREETS LAID OUT AND ACCEPTED DECEMBER 1, 1906, TO NOVEMBER 30, 1907.

Location of Street.						Plan	
Name	From	To	Length in Feet	Width in Feet	Date of Acceptance	Made by	Date
Allston Street.....	Magazine Street	Kenwood Street	261.5	40	Oct. 2, 1907	City Engineer	June 12, 1907
Clarendon Avenue.....	Massachusetts Avenue..	Somerville line.....	735.	40	June 13, 1907	City Engineer	May 4, 1906
Columbus Avenue.....	Massachusetts Avenue..	Madison Avenue	190.	40	June 13, 1907	W. A. Mason & Son....	May 7, 1906
Houghton Street.	Prospect Street	Somerville line.....	36.	40	June 13, 1907	City Engineer	June 6, 1906
Madison Avenue	Columbus Avenue	Whittemore Avenue	617.5	40	June 13, 1907	W. A. Mason & Son....	May 7, 1906
Miller Avenue.....	Orchard Street	Somerville line.....	335.5	24	Oct. 2, 1907	Chester A. Garfield....	Sept. 3, 1906
Seven Pines Avenue ..	Yorktown Street	Somerville line.....	321.4	40	June 13, 1907	W. A. Mason & Son....	Oct. 15, 1900
Windsor Street.....	Extension	Somerville line.....	188.	40	June 13, 1907	City Engineer	Sept. 16, 1906
Yorktown Street	Seven Pines Avenue....	Somerville line.....	84.	40	Oct. 10, 1907	W. A. Mason & Son....	Jan. 28, 1903

Total length of streets accepted from December 1, 1906, to November 30, 1907, 2,768.9 feet or 0.524 miles.

Total length of streets accepted November 30, 1907, 101.257 miles.

RESURFACING DISTRICT I.

STREET.	Labor.	Teaming.	Steam-Roller.	Crushed Stone.	Gravel.	Totals.
Amherst, between Mass. Ave. and end of Riverbank Ct.	$20 00	$130 00	$14 00	$152 50	$127 50	$444 00
Auburn, between Magazine St. and Pearl St.	85 75	102 50	35 00	260 00	.....	483 25
Bristol, between Portland St. and Webster Ave	30 00	105 00	21 00	120 00	162 00	438 00
Broadway, south side, between Windsor St. and Prospect St.	96 00	105 00	70 00	280 00	52 50	603 50
Burleigh, between Washington St. and Broadway	78 50	135 00	28 00	387 50	.....	629 00
Carlisle, between Prospect St. and Tremont St.	26 25	55 00	28 00	182 50	.....	291 75
Dodge, between Western Ave. and Grigg St.	21 00	30 00	17 50	82 50	5 00	156 00
Eighth, between Cambridge St. and Thorndike St	12 00	60 00	21 00	185 00	.....	278 00
Elm, between Broadway and Hampshire St	30 00	145 00	28 00	145 00	225 00	573 00
Elm, between Cambridge St. and Webster Ave.	20 00	95 00	21 00	25 00	181 50	342 50
Elm, between Harvard St. and Broadway	65 00	67 50	28 00	202 50	.....	363 00
Franklin, between Pearl St. and Pleasant St.	62 75	62 50	49 00	235 00	45 00	454 25
Green, between Hancock St. and Sidney St.	250 88	509 25	161 00	1,021 25	57 00	1,999 38
Hayes, between Putnam Ave. and Howard St.	40 00	215 00	28 00	227 50	228 00	738 50
Kenwood, between Putnam Ave. and Magazine Ct.	10 00	30 00	.....	.....	67 50	107 50
Line, at Magnolia Ave.	12 25	37 00	7 00	62 50	5 00	123 75
Magazine, between Green St. and Putnam Ave.	411 13	575 00	224 00	1,363 75	.....	2,573 88
Mass. Ave., north side, between Central Sq. and Inman St.	93 88	105 00	49 00	207 50	.....	455 38
Otis, between Second St. and Sixth St.	311 63	453 50	164 50	1,047 50	20 00	1,997 13
Pleasant, between Putnam Ave. and Florence	4 00	15 00	7 00	30 00	.....	56 00
Prospect, between Cambridge St. and Somerville Line	6 00	20 00	14 00	102 50	.....	142 50
Sidney, between Putnam Ave. and Allston St.	12 00	35 00	.....	.....	82 50	129 50
Sixth, between Gore St. and Cambridge St.	37 38	63 50	21 00	170 00	.....	291 88
Talbot, between Waverley St. and Boston & Albany R.R	24 00	45 00	14 00	100 00	.....	183 00
Vine, between Second St. and Lowland Ave.	51 50	102 50	28 00	220 00	7 00	409 00
Waverley, between Erie St. and Putnam Ave.	133 00	337 00	56 00	760 00	.....	1,286 00
Worcester, between Norfolk St. and Columbia St.	8 00	55 00	14 00	15 00	90 00	182 00
Total	.....	.....	.....	.....	.....	$15,731 65

RESURFACING DISTRICT II.

STREETS.	Labor	Teaming	Steam Roller	Crushed Stone	Gravel	Totals
Agassiz, between Lancaster St. and Linnaean St.	$8 25	$28 50	$10 50	$5 00	$28 50	$80 75
Berkeley, between Craigie St. and Phillips Pl.	28 88	150 00	31 50	167 50	310 50	688 38
Buena Vista Park, between Richdale Ave. and Upland Rd.	55 00	58 00	35 00	228 75	2 00	378 75
Coggswell Ave., between Mass Ave. and Mead St.	26 75	72 00	28 00	45 00	195 00	366 75
Cottage Park Ave., between Mass. Ave. and End	22 75	33 50	21 00	26 25	71 25	174 75
Dover, between Mass. Ave. and Somerville Line	16 75	53 50	14 00	17 50	142 50	244 25
Farwell Place, between Brattle St. and End	39 25	55 00	28 00	137 50	2 00	261 75
Follen, between Waterhouse St. and Concord Ave.	50 00	120 50	28 00	25 00	325 50	549 00
Garden, between Wyeth Sq. and Walden St.	102 25	170 00	70 00	381 25	11 00	734 50
Harvey, between Montgomery St. and Clifton St.	102 25	119 25	52 50	183 50	11 00	468 50
Humboldt, between Lancaster St. and Linnaean St.	6 25	13 50	7 00	12 50	31 50	70 75
Huron Ave., between Lakeview Ave. and Lexington Ave.	37 00	62 50	28 00	195 00	6 00	328 50
Huron Ave., between Raymond St. and Upland Rd.	48 00	66 25	19 25	187 50	10 00	331 00
Lancaster, between Mass. Ave. and Washington Ave	24 50	85 50	21 00	87 50	181 00	399 50
Linnaean, between Raymond St. and Garden St.	26 75	167 00	21 00	22 50	384 00	621 25
Orchard. between Blake St. and Davenport St.	41 00	100 50	35 00	63 75	243 00	483 25
Oxford Ave , between Fairview Ave. and Belmont Line	67 50	87 50	14 00	.....	71 00	240 00
Porter Road, at City Scales	13 38	18 50	.....	47 50	.....	79 38
Railroad, between Middlesex St. and Yerxa Rd.	94 50	47 25	42 00	47 50	.....	231 25
Raymond, between Upland Rd. and Linnaean St.	115 50	148 75	64 75	630 00	.....	959 00
Richdale Ave., between foot of hill and Upland Rd.	82 50	150 00	70 00	162 50	143 75	608 75
Rindge Ave., between Sherman St. and Clifton St.	123 38	30 00	17 50	.....	.....	170 88
Sargent, between Railroad St. and Rindge Ave.	51 50	69 75	10 50	22 50	204 00	358 25
Sherman, between Huron Ave. and Walden St.	103 00	145 75	57 75	360 00	.....	666 50
Somerville Ave., between Mass. Ave. and Somerville Line	16 50	15 00	.....	5 00	31 25	67 75
Stearns, between Sherman St. and Garden St.	10 25	20 50	12 25	42 50	.....	85 50
Tannery, between Somerville Line and Mass. Ave.	39 00	120 50	42 00	70 00	361 50	633 00
Walden, between Railroad Bridge and Mass. Ave.	100 75	97 00	49 00	167 50	7 00	421 25
Walden, between Raymond St. and Garden St.	254 25	399 25	143 50	940 00	151 50	1,888 50
Winthrop, between Boylston St. and Holyoke St.	33 00	48 75	24 50	105 00	6 00	217 25
Total	.....	.....	.....	.....	.....	$12,808 89

RECAPITULATION.

Resurfacing District I	$15,731 65
Resurfacing District II	12,808 89
Patching District I	2,653 60
Patching District II	2,721 09
	$33,915.23

MAINTENANCE—SALARIES.

Appropriation		$6,273 00
Salary of Superintendent	$2,000 00	
Salary of Chief Clerk	1,400 00	
Salaries of other Office Clerks	1,240 00	
Yard Clerks	1,590 00	
Temporary Clerk	43 00	
		6,273 00

In accordance with a recommendation contained in an earlier report the salaries of the entire executive force of the Department are included in the above amounts.

SIDEWALK REPAIRS.

Appropriation		$5,500 00
Pay-roll	$4,702 80	
Teaming	215 01	
Bricks	513 31	
Freight on gravel	50 68	
Repairs, artificial stone sidewalks	9 00	
Sundries	4 00	
		5,494 80
Balance		$5 20

This amount has been expended in resetting edgestones and relaying brick sidewalks. The amount asked for in the budget was $20,000. Complaints as to the condition of our sidewalks are becoming more numerous every year. Very many of the sidewalks have been laid for years and have had no repairs whatever. The action of the frost and their being frequently dug up for various purposes have left them uneven, rough, and in many cases dangerous to public travel.

The City Solicitor informs me that claims for damages caused by defective sidewalks are increasing to an alarming extent and has repeatedly called my attention to the importance of having an appropriation sufficient to provide for this work.

SNOW REMOVAL.

Appropriation for 1907 (from the Street Railway tax)		$9,000 00
Pay-roll, general	$5,534 51	
Pay-roll, section men	1,738 75	
Pay-roll, shovelling snow, schoolhouses	1,144 25	
Teaming	100 50	
Hardware, tools, etc.	450 05	
Gravel	15 26	
Sundries	14 00	
		$8,997 32
Balance		$2 68

This amount was expended for removing the snow from the sidewalks around public grounds and buildings of the City, and also for cleaning the inner walks of all the schoolhouses.

It will be noted in the above classification of expenditures that the cost of the general work of snow removal, of the schoolhouse work and the section men has been divided. The cost of this work has been one-third more than the previous year, mainly due to the very great number of slight snow storms which have occurred during the year, which made it necessary that a considerable number of men were almost constantly employed.

STREET WATERING.

Appropriation		$31,300 00
Salary of foreman	$1,200 00	
Pay-roll, general	1,732 53	
Pay-roll, clerical work	276 63	
Sprinkling contracts	25,760 27	
Hardware, tools, etc.	17 20	
Watering cart repairs and renewals	1,030 90	
Standpipe repairs	372 07	
New equipment	700 00	
Special road treatment	85 52	
Sundries	115 98	
		31,291 10
Balance		$8 90

A rearrangement of the street watering routes was made this year, increasing the number from 47 to 49. Two single watering carts were purchased and added to the street cleaning division, and the two double carts formerly used there were transferred to the street watering division.

The price paid to street watering contractors was increased from $85.00 to $90.00 per month. The streets have been watered a greater number of days than usual this year on account of the exceedingly

dry summer. The work of the street watering contractors has on the whole been satisfactorily performed, and complaints during the past season have been comparatively few.

The dust raised by automobiles driven at a high rate of speed on some of our principal thoroughfares has been the most persistent cause of trouble for this Department and to all communities in this vicinity.

Very many inventions have been presented during the last few years to overcome this difficulty, and I have tried three different experiments on our streets with varying success. On a portion of Harvard Street, between Hancock Street and Trowbridge Street, a preparation known as Terracolia was used at no expense to the City, and although there was a somewhat offensive smell, the majority of citizens living on that street were very greatly pleased with it. On that portion of Prospect Street, from Cambridge Street to the Somerville line, a preparation known as Tarvia was used with very good results. On Magazine Street, from Central Square to Lake Street, Asphaltoilene was spread very late in the autumn, and since that time not a drop of water has been used there. The street had been newly resurfaced and the preparation was covered with a thin coating of sharp gravel, which was rolled into the Asphaltoilene by the traffic going over it, and made a smooth hard surface. It is claimed for this preparation that one application a year is all that is necessary, and that it not only keeps the dust down, but preserves the surface of the roadway. I hope that provision may be made for treating several of our long streets, such as Massachusetts Avenue from Harvard Square to Porter's Station, Kirkland Street, Brattle Street, Harvard Street, and the rest of Magazine Street, during the coming year. It may be that a portion of this work might fairly be charged to a general maintenance appropriation, as it may be properly considered a part of the surfacing of the street. The customary repairs to the watering carts will be made during the coming winter, and the equipment of this division on the whole is in very good condition.

REBUILDING SUNDRY STREETS.

Appropriation (from Street Railway tax)		$3,722 19
Pay-roll	$504 87	
Teaming	205 00	
Lighting	3 00	
Gravel and freight	4 00	
Hardware, tools, etc.	4 15	
Crushed stone	1,629 87	
Hassam pavement	1,366 31	
Sundries	2 25	
		3,719 45
Balance		$2 74

The above amount was an unexpended balance carried over from last year and has been used in completing sundry streets which were left unfinished at the close of last year and in laying Hassam pavement on Massachusetts Avenue from Porter's Station bridge to Mount Vernon Street.

STREET CONSTRUCTION—SUNDRY STREETS.

Appropriation		$6,925 49
Pay-roll	$2,201 66	
Teaming	497 50	
Hay, grain and straw	93 84	
Hardware, tools, etc.	9 92	
Edgestones	46 00	
Filling, gravel and freight	825 07	
Crushed stone	945 36	
Granite paving blocks	1,239 17	
Flagging	21 00	
Lighting	96 75	
Bitulithic surface	738 36	
Cement	89 00	
Fuel	88 49	
Sundries	24 50	
		6,916 62
Balance		$8 87

The above amount was the aggregate of unexpended balances in street construction loan accounts carried forward from last year. The greater part of the amount expended was for the payment of bills contracted in the latter part of November and not payable until the present financial year. Amherst and Wadsworth Streets, Lowland Avenue, Francis Avenue, and Bryant Street were all completed during the spring of this year and were a part of the work originally laid out under this appropriation.

REBUILDING BRIDGE STREET.

Appropriation		$651 79
Pay-roll	$493 88	
Teaming	93 75	
Gravel and freight	64 16	
		651 79

This amount was expended for repaving Bridge Street from the foot of the slope at Prison Point Street to Lechmere Square. A very much larger sum was originally appropriated for this work, and it was found that the condition of the street was such that it would be economy to do only a portion of it this year, as the paving blocks were small and in the no distant future must be replaced by the large granite blocks now in general use for this class of work.

CONSTRUCTION—CHARLES STREET.

Appropriation		$2,301 78
Pay-roll	$665 17	
Teaming	48 13	
Gravel and freight	134 45	
Granite blocks	1,441 43	
Lighting	12 60	
		2,301 78

This street was paved from First to Second Streets with first-class granite blocks. Edgestones were set, catch basins constructed, and the street is now in first-class condition for the heavy traffic. This was a continuation of the work laid out last year and completes the connection between Third and First Streets.

CONSTRUCTION—SOMERVILLE AVENUE.

Appropriation		$1,451 59
Pay-roll	$201 25	
		201 25
Balance		$1,250 34

This amount was appropriated for paving that portion of Somerville Avenue which lies between White Street and Massachusetts Avenue, on the northerly side of the street railway track, and contains a little over 500 square yards. Although the appropriation shows a large unexpended balance, as a matter of fact this work was actually completed a few days after the close of the present financial year.

CONSTRUCTION—OTIS STREET.

Appropriation		$4,378 40
Pay-roll	$1,066 62	
Teaming	215 63	
Hardware, tools, etc.	10 80	
Gravel and freight	204 08	
Granite blocks	2,447 74	
Edgestones	420 03	
Lighting	13 50	
		4,378 40

This street, from First Street to Second Street, was paved with granite paving blocks, edgestones were set, catch basins constructed, and is now in first-class condition. It may be noted in the table of macadamized streets that the remainder of this street has been macadamized and is now in first-class condition its entire length from First Street to Ninth Street, running clear across the whole of Wards one and two.

REBUILDING MASSACHUSETTS AVENUE.

Appropriation		$40,000 00
Pay-roll	$8,447 30	
Teaming	1,365 62	
Grain	132 00	
Hardware, tools, etc.	54 25	
Crushed stone	2,281 85	
Field stone	383 48	
Fuel	365 84	
Lighting	139 35	
Hassam pavement	26,497 10	
Sidewalk bricks	70 57	
Stone crushers, repairs, etc.	160 00	
Sundries	85 60	
		$39,982 96
Balance		$17 04

This street has been entirely rebuilt on the west side from Porter's Station to the Arlington line, and on the east side from Porter's Station to Blake Street. There is probably no street in the City where there is such a volume of traffic or where there are more automobiles passing every day, and it became necessary to lay a pavement there which would not only carry the heavy traffic, but which would resist the action of automobiles on its surface. The character of the street eliminated the possibility of paving either with vitrified bricks or granite blocks, and it was finally decided to lay Hassam pavement there. This pavement has been recently laid in Somerville and a number of other cities with very good results. It is composed

of cracked stone and Portland cement. The old Telford foundation, which was laid on this street in 1898, makes a splendid foundation for this pavement, and there seems to be no reason to prevent its lasting very many years. The work of excavating the street to its sub-base, six inches below the completed surface, and the spreading of the first course of cracked stone was all done by the employees of this department. The two-inch top surface was laid by the Simpson Brothers Corporation under a contract guaranteeing its maintenance for the next five years. The entire work has been most satisfactorily performed, and the cost per square yard has been very much less than our original estimate. From the top surface a number of streets in the vicinity of the avenue in North Cambridge were resurfaced, and every particle of material has been carefully and economically distributed. We have received a number of letters from automobile users, and from citizens along the street, who are very greatly pleased with the improvement.

REBUILDING FIRST STREET.

Appropriation		$1,000 00
Pay-roll	$715 98	
Teaming	55 00	
Grain	71 50	
Gravel and freight	63 12	
Lighting	13 50	
		$919 10
Balance		$80 90

This street was paved eleven years ago, and at that time the foundation was not as firm as it should have been. The general settlement throughout the whole length of the street left the manholes nearly a foot above the rest of the roadway. These manholes and catch basins have all been lowered to the present level of the street, and the depressions have been repaved, so that until it becomes necessary to entirely repave the street, nothing but ordinary repairs need be done here.

CONSTRUCTION—SIDNEY STREET.

Appropriation		$16,946 63
Pay-roll	$4,229 57	
Teaming	1,005 00	
Hay and grain	224 83	
Hardware, tools, etc.	26 85	
Gravel and freight	522 70	
Cement	48 00	
Granite blocks	8,883 75	
Edgestone	1,454 75	
Flagging	205 45	
Sidewalk bricks	136 49	
Lighting	9 00	
Sundries	200 24	
		$16,946 63

This street was paved with granite blocks from Franklin Street to Erie Street, edgestones were set, ten catch basins were constructed, and the street is in excellent condition. This is in accordance with the policy of the last few years of development of the factory district of the city. A number of new and important buildings have been erected there during the past year and the construction of this street has been greatly appreciated by the business men in that vicinity.

CONSTRUCTION—HOUGHTON STREET AND OTHERS.

Appropriation		$18,500 00
Pay-roll	$5,635 27	
Teaming	1,525 63	
Hay, grain and straw	843 95	
Hardware, tools, etc.	50 02	
Edgestone	2,191 26	
Filling, gravel and freight	1,070 95	
Crushed stone	869 78	
Field stone	704 31	
Granite paving blocks	2,618 75	
Steam roller repairs and supplies	87 76	
Lighting	22 35	
Gutter stone	891 88	
Fuel	107 64	
Sundries	57 52	
		16,677 07
Balance		$1,822 93

From this appropriation the following streets have been entirely constructed. Edgestones have been set, gutters paved, catch basins constructed, and the streets macadamized. Houghton Street from Prospect Street to the Somerville line, Clarendon Avenue from Massachusetts Avenue to the Somerville line, Seven Pines Avenue from Cameron Avenue to Yorktown Street, Columbus Avenue from Massa-

chusetts Avenue to Madison Avenue, Madison Avenue from Columbus Avenue to Whittemore Avenue, Windsor Street from Cambridge Street to the Somerville line. These streets were all newly accepted streets, and in accordance with the policy pursued in the last four years were put in proper condition as soon as they were accepted. Some work still remains to be done on Madison Avenue and Columbus Avenue, a portion of which can be done during the present winter and can be completed in the early spring. Thorndike Street was paved with granite blocks from First Street to Second Street. Edgestones were set and catch basins constructed there.

REBUILDING CAMBRIDGE STREET.

Appropriation		$9,200 00
Pay-roll	$6,210 99	
Teaming	626 25	
Hay, grain and straw	513 89	
Hardware, tools, etc.	26 13	
Gravel and freight	626 54	
Lighting	14 75	
		8,018 55
Balance		$1,181 45

The granite block pavement on Cambridge Street, between Prospect Street and the Boston & Albany railroad crossing, laid a number of years ago, has been all taken up and relaid in as satisfactory a manner as possible with the old-fashioned paving blocks in use at the time this street was originally paved. The present pavement on this section of the street will probably not last very many years more, as the traffic is very heavy and the blocks are laid in the old-fashioned way upon a gravel base.

REBUILDING GARDEN STREET.

Appropriation		$24,752 06
Pay-roll	$5,241 76	
Teaming	853 13	
Grain and hay	200 08	
Hardware, tools, etc.	43 96	
Edgestone	1,063 01	
Freight, gravel, filling, etc.	67 90	
Crushed stone	1,211 00	
Granite blocks	521 83	
Flagging	22 47	
Fuel	51 01	
Lighting	31 80	
Cement	353 39	
Bitulithic surface	15,078 92	
Sundries	11 80	
		24,752 06

Bitulithic pavement has been laid on this street from Massachusetts Avenue to and including Arsenal Square. The sidewalk on the northerly side of the street next to the Common has been thrown into the street and the edgestone has been set within a few inches of the granite fence posts along the Common. A specially cut edgestone was used along this side of the street and has very greatly improved the appearance of the work. The historical associations connected with this locality draw a very large number of visitors, and the present appearance of the street is a credit to the City. An inspection of the work, and the appearance of the street near the gate of the Common, donated by the Daughters of the American Revolution, and in the vicinity of the Washington Elm, will give an idea of the splendid character of the improvements. From the surface of this street a number of surrounding streets were macadamized and are included in the list of macadamized streets shown in the preceding pages.

CONSTRUCTION—OSBORN STREET.

Appropriation		$5,368 62
Pay-roll	$1,524 66	
Teaming	464 38	
Hardware, tools, etc.	22 25	
Gravel and freight	208 26	
Granite blocks	2,816 63	
Edgestone	291 39	
Lighting	41 05	
		5,368 62

This is another one of the streets in the factory district of the City through which there is a large amount of heavy teaming. It has been paved with first-class granite blocks. Edgestones have been set, catch basins constructed there, and it is now in excellent condition.

REBUILDING HAMPSHIRE STREET.

Appropriation		$20,000 00
Pay-roll	$6,013 68	
Teaming	1,680 01	
Hardware, tools, etc.	25 44	
Gravel and freight	581 44	
Granite blocks	10,456 87	
Edgestones	172 15	
Flagging	385 42	
Sidewalk bricks	125 82	
Lighting	71 10	
Sundries	18 05	
		19,529 98
Balance		$470 02

This street has been paved with granite blocks from Prospect Street to Windsor Street and is one of the improvements made out of the street railway tax. The traffic over it is very heavy, as it is a direct route from Harvard Square through Cambridge Street and from Porter's Square through Beacon Street in Somerville. At the beginning of the year I recommended that this street be paved from Prospect Street to Broadway, and I trust that an appropriation will be made this year to complete it from the point where we left off this season to its junction with Broadway. The unexpended balance will be required to pay for paving blocks delivered after the 20th of November of this year.

CONSTRUCTION—ALLSTON STREET AND OTHERS.

Appropriation		$3,500 00
Pay-roll	$773 95	
Teaming	105 00	
Grain	227 50	
Gravel and freight	28 35	
Crushed stone	11 06	
Field stone	193 15	
Edgestone	407 60	
Gutter stone	241 67	
Fuel	28 10	
Lighting	12 00	
		2,028 38
Balance		$1,471 62

This appropriation was made for the extension of Allston Street from Magazine Street to Kenwood Street and the laying out and construction of Miller Avenue from Orchard Street to Elm Street in Somerville and for the construction of Yorktown Street between Seven Pines Avenue and the Somerville line. The work on Miller Avenue and Yorktown Street is completed. The buildings have been moved from the extension of Allston Street, and the filling is now being done there. The balance will be required to complete the work there in the spring.

PERMITS ISSUED.

The issuing of permits for board walks, sale of goods on sidewalks, opening and obstructing streets and sidewalks, building and repairing granolithic sidewalks and other purposes has grown to be an important feature in the work of the office.

OPENING PERMITS.

To Whom Issued.	Number Issued.	
Boston Elevated R. R.	39	
Boston & Maine R. R.	2	
Cambridge Gas Light Co.	287	
Cambridge Electric Light Co.	91	
Metropolitan Water and Sewerage Board	6	
New England Telephone and Telegraph Co.	35	
Sewer Department	6	
Water Department	9	
Drain layers	207	
Miscellaneous	101	
Total issued		783

OBSTRUCTION PERMITS.

Adams & Swett Cleansing Co.	6	
Sanitary Dust Removing Co.	44	
Vacuum Cleaner Co.	11	
Tar kettle contractors	68	
Miscellaneous	499	
Total issued		628

ARTIFICIAL STONE SIDEWALKS.

Simpson Brothers Corp.	20	
Warren Brothers Co.	12	
Thomas J. Hind	2	
Thomas Allen	1	
W. A. Murtfeldt Co.	3	
William F. Condon	1	
Total issued		39

MOVING BUILDINGS THROUGH PUBLIC STREETS.

Henry S. Angus & Son	11	
Michael G. Sullivan	1	
		12

SELLING GOODS ON SIDEWALKS.

Number of permits issued	49

BOARD WALKS.

Number of permits issued	44

PRIVATE STEAM ROLLER PASSING THROUGH PUBLIC STREETS.

Number of permits issued	3
Grand total	1,558

RECOMMENDATIONS.

When I first assumed the office of Superintendent of Streets I had clearly defined ideas as to a comprehensive treatment of the condition of the principal avenues and believed that the main thorough-

fares and streets through which there were electric car lines should be permanently paved as rapidly as possible, and with this idea in mind a considerable amount has been appropriated from the street railway tax for each of the last four years for this purpose, so that at the present time there remains but four thoroughfares on which there are street car lines which are not permanently paved. They are Massachusetts Avenue from Garden Street to Alewife Brook (partly paved); Mount Auburn Street from Brattle Square to Watertown line; Broadway from Quincy Street to Windsor Street, and Hampshire Street from Windsor Street to Broadway. Huron Avenue and Aberdeen Avenue may be properly left out of this consideration at the present time, as a macadam surface on those two streets will be sufficient for some years to come.

Pursuing this policy, I respectfully submit the following recommendations with reference to these remaining thoroughfares.

1. The completion of Massachusetts Avenue on the easterly side from Blake Street to Alewife Brook. As has been shown in the preceding pages, Hassam pavement was laid on this portion of Massachusetts Avenue on the westerly side of the street, between Porter's Station and Alewife Brook, and on the east side, between Porter's Station and Blake Street, and I recommend that it be completed with the same kind of pavement.

2. Broadway from Quincy Street to Winsor Street. Bitulithic pavement has been laid on this street from its junction with Cambridge Street to Quincy Street. The traffic over this street is not very heavy, and the grade is not quite so excessive as on Concord Avenue, and I therefore recommend that bitulithic pavement be laid from Quincy Street easterly to Prospect Street.

3. Mount Auburn Street, from Brattle Street to Watertown line. When the street railway tracks were removed from Brattle Street and placed upon Mount Auburn Street, edgestones were set there the entire length and the street was macadamized. The space between the row of blocks adjoining the tracks on each side and the gutter next to the edgestone is very narrow, and it is exceedingly difficult to keep the macadam surface there in proper condition. At the present time it is in some places four or five inches below the gutter and rim row and something must be done there during the coming year. I therefore recommend that these old-fashioned blocks against the track be taken out, the gutter removed and a permanent pavement laid there so far as possible out of the appropriations for next year.

4. Completion of granite block paving on Hampshire Street. This street, as before stated, was paved with granite blocks from Pros-

pect Street to Windsor Street, and I recommend the completion of this same class of work from the point where we left off this year to the junction of Hampshire Street and Broadway. This will complete one of the most heavily travelled streets in the City, it being a direct line through Cambridge Street from Harvard Square and through Beacon Street in Somerville.

5. Paving of Munroe Street with granite blocks from Second Street to Third Street. During the coming season, First Street between Munroe Street and Main Street must be closed to travel for a considerable time on account of the rebuilding of the First Street bridge. This will necessitate the turning of all the traffic across First Street, through Munroe Street to Third Street. A number of years ago, Munroe Street was paved from First Street to Second Street, and nothing whatever has ever been done between Second and Third Streets. A number of important manufacturing concerns have land abutting on this street. Some of them have erected buildings and others are to be erected during the coming year, and it is important that this street should be put into condition for heavy traffic as early as possible.

6. Paving with first-class granite blocks of Spring Street, from First to Third, and Third Street from Charles Street to Spring Street. These streets are in the manufacturing district in East Cambridge and are subjected to such heavy traffic that no other form of construction is sufficient to keep them in proper condition.

7. Paving with granite blocks of Commercial Avenue from Bridge Street to the new bridge. The new bridge over the Lechmere Canal will be completed and ready for operation very early in the year. That portion of Commercial Avenue between the bridge and Bridge Street has been filled and graded for a number of years and is in proper condition to receive granite pavement. The balance of the street between the bridge and First Street should be laid out, brought to grade, and at the present time macadamized, as in my judgment the foundation is hardly settled enough at present to carry a granite block pavement.

8. Repaving of Water Street from Bridge Street to North Street. This street was paved with small, old-fashioned granite paving blocks very many years ago. They are almost completely worn out, and the street is in a deplorable condition. The Revere Sugar Refinery and the power house of the Boston Elevated Railway Company are located there and the traffic is very heavy. There seems to be no other way to improve this street except to remove the old-

fashioned blocks and to lay in their place heavy first-class granite blocks of the largest size.

9. The residential streets in the section of the City east of Prospect Street are in exceedingly bad condition. The sewer department in the last five years has been engaged in laying a system of sewers through these streets. This work is now completed, and they may now be macadamized without much danger of being torn up for that purpose. A substantial increase in the appropriation for maintenance would provide for this work.

10. There are in the files of the Committee on Highways petitions for the laying out and acceptance of a number of new streets, the plans for most of them having been approved by the Board of Survey. On many of these streets all the lots have been built upon for a long time and the abutters have continued to pay taxes to the City without receiving the benefits of cleaning, watering and care of the streets. Most of them are ready and willing to give whatever land is necessary to make the streets of proper width, and following the policy laid out during the past few years, a loan should be authorized providing for the construction of those reported for acceptance during the coming year.

ACCOUNTING.

The careful reader of this report will note that during the past year there have been twenty-six distinct appropriations for the work of this department, to which must be charged each pay-roll and bill for work performed under that particular appropriation. Many of the regular charges for tools, supplies, etc., under this plan must be cut up and apportioned to the different appropriations upon a basis which can at best only be approximately correct. The result has been a very great increase in the clerical work of this department, as well as a corresponding increase in the work of the City Auditor's office, with no adequate benefit. I believe and have reason to think that the Auditor joins with me in the belief that this method can be improved and the number of appropriations reduced, and at the same time the statistical work and the detail required for reports and committees be efficiently maintained. I therefore recommend that the finance committee give this matter their careful consideration.

INVENTORY OF REAL AND PERSONAL PROPERTY.

REAL ESTATE.

Location.	Buildings.	Erection of Buildings.	Purchase of Land	Feet or Acres of Land.	Valuation of Land	Valuation of Buildings.
Raymond St.....	City Yard and Stable, stable, sheds, scales, etc.	1897	1896	272,670	$27,000	$27,000
Hampshire St...	City Stable, sheds and scales, including old police station.....	1885	.....	72,661	30,000	16,000
E. S. Norfolk St.	Yard and pound	.....	.....	39,600	12,000	.....
River St.....	Yard and wharf.....	.....	.....	41,546	17,000	.....
Acton, Mass....	Land, gravel bank.....	.....	1896	.....	7,000	.....
Main St.	Land.....	.....	.....	74,224	22,300	.....
					$115,300	$43,000

Total valuation of real estate $158,300 00

PERSONAL PROPERTY.

67 horses	$8,450 00	
53 watering carts	13,200 00	
48 single and double carts	4,200 00	
98 sets harnesses	2,450 00	
Miscellaneous buggies, sleighs, pungs, plows wagons, etc.	2,500 00	
3 bicycles	90 00	
5 steam rollers	10,500 00	
1 two-horse section-roller	125 00	
Miscellaneous tools, road machines, pick-up sweepers, scrapers, brooms, waste barrels, push carts, etc.	8,200 00	
Stone-crushing plant, Raymond Street . .	5,500 00	
Stone-crushing plant, Hampshire Street . .	6,000 00	
8 Shadbolt ash carts	2,500 00	
2 Watson carts	350 00	
Miscellaneous lumber, iron, oils, etc. . . .	1,500 00	
200 feet straight edgestone	110 00	
63 feet circle edgestone	34 65	
30,000 granite paving blocks, seconds . . .	750 00	
3,000 sidewalk bricks	38 10	
450 tons field stone	337 50	
13 tons coal	61 20	
2,500 vitrified bricks	75 63	
99 ft. granite flagging	69 30	
1,200 No. 1 granite blocks	90 00	
		67,131 38
		$225,431 38

I desire to express to His Honor, the Mayor, my gratitude and appreciation for his co-operation and assistance. His support and approval have materially lightened the responsibilities and difficulties of an exceedingly arduous year, and his experience on the committee

on highways in previous years has been of very great value to the department.

The Committee on Highways have worked in entire harmony with the Superintendent and have kept closely in touch with the operation of the Department. During most of the year weekly meetings of the Committee were held. Their assistance and counsel have been exceedingly valuable and are thankfully appreciated.

My acknowledgements are extended to the members of the City Council and to the officials of the City for their courtesy and consideration.

The value of the work performed by the employees in general is recognized and most heartily commended.

Respectfully submitted,

GEORGE M. CLUKAS,
Superintendent of Streets.

REPORT OF THE COMMISSIONER OF BOSTON AND CAMBRIDGE BRIDGES.

To the Honorable, the City Council:—

GENTLEMEN:—In accordance with the provisions of Section 3, Chapter 5, of the Revised Ordinances, the undersigned respectfully submits his report as Bridge Commissioner for the year ending November 30, 1907.

There is every probability that the appropriations for this work must be very largely increased next year. The new West Boston bridge is practically completed and will be turned over to the care of this Commission in a very short time. Provision must be made for the expense of lighting, cleaning, policing and maintenance. The new bridge over Prison Point Street, which has been under process of construction by the Boston & Maine Railroad Company for several years, is now almost completed, and the same provisions must be made for that bridge. The Boylston Street or North Harvard Bridge has been the subject of considerable newspaper criticism during the latter part of the last year, and as the Cambridge Bridge Commission have practically decided not to build a new bridge there at present, it will be necessary to make very extensive repairs there to put the bridge into proper condition for public travel. The City Engineer of Boston estimates that the cost of the work will be about $3,000.

The usual amount will be required for repairs on the River Street and Western Avenue bridges, and it is very likely that Brookline Street bridge completed last year will require new sheathing on the roadway. At Harvard Bridge extensive repairs to the pier are imperatively needed. Some of the stringers are badly decayed and the piles at each end are very weak. Some of the iron work is badly exposed and should be painted to preserve it from rust. The draw of this bridge must be sheathed, and it is possible that some of the under planking will have to be replaced. The wooden block paving between the rails of the tracks on this bridge have been from time to time taken up to repair tracks, and the paving is now in very bad condition. The President of the Boston Elevated Railway Company has assured me that he will repave this bridge in a manner which has already been agreed upon by the engineers of the company and this Commission.

I wish to renew the recommendation previously made that a portion of the bridge at each end be repaved to prevent the slipping which occurs there so much during the winter.

When the forty-eight hour law went into effect, the salaries of all the draw-tenders under the employ of this Commission were regulated and equalized and a schedule of hours adopted so that the law would be complied with.

In severing my connection with this Commission, I desire to testify to the cordial relations which have existed between Mr. Patrick F. McDonald, the Commissioner for the City of Boston, and myself, and to thank him for his co-operation and assistance throughout our entire term of service. The accommodating spirit shown by the office force in his department has been exceedingly gratifying, and I am especially indebted to Mr. Daniel J. Byrne, Secretary of the Commission, for the intelligent and painstaking manner in which he has performed the clerical work for the Commission.

Respectfully submitted,

GEORGE M. CLUKAS,
Bridge Commissioner.

BOSTON AND CAMBRIDGE BRIDGES.

Classification of expenditures by the City of Cambridge from Dec. 1, 1906, to Nov. 30, 1907, which is one-half of the cost of the care and maintenance of these bridges, the other half being paid by the City of Boston.

Object of Expenditures, Dec. 1, 1906, to Nov. 30, 1907	Boylston Street	Brookline Street	Cambridge	Harvard	Prison Point	River Street	West Boston	Western Avenue	General Account	Totals,
Draw-tenders' Salaries	$388 28		$141 65	$2,371 33	$2,012 44	$1,001 39	$141 65	$961 38		$7,018 12
General Repairs	51 56			269 46	1 37	90 07		99 00		511 46
Lumber	130 80			366 26		82 89		150 44		730 39
Cleaning Bridges		$59 58		346 87						406 45
Fuel	2 76			28 17	5 66	12 01	5 52			54 12
Tools and Hardware	8 71			9 95	2 52	16 52		6 26		43 96
Iron Work	31 57			19 29	4 13	68 83		1 04		124 86
Electric Light		253 35		1,170 00		45 00	18 75	45 00		1,532 10
Electric Repairs				25 10				191 44		216 54
Commissioners									$700 00	700 00
Clerical Services									250 00	250 00
Printing									16 00	16 00
Travelling Expenses									5 00	5 00
Sundries	35		1 84	40 02	4 96	10 98				58 15
Execution of Court								224 23		224 23
Totals,	$614 03	$312 93	$143 49	$4,646 45	$2,031 08	$1,327 69	$165 92	$1,678 79	$971 00	$11,891 38
Extra help during vacations of Draw-tenders included in above				$84 00	$84 00	$55 00		$15 00		$238 00

Salaries of Commissioner, Clerks and Draw-tenders	$7,968 12
General Expenses	3,923 26
Total	$11,891 38

NUMBER OF TIMES THE DRAWS IN THE BOSTON AND CAMBRIDGE BRIDGES HAVE BEEN OPENED AND THE NUMBER OF VESSELS WHICH HAVE PASSED THROUGH FOR THE YEAR BEGINNING DECEMBER 1, 1906, AND ENDING NOVEMBER 30, 1907.

Date.	Boylston Street		Harvard.		Prison Point.		River Street.		West Boston.		Western Avenue.	
December 1, 1906, to November 30, 1907.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.
December, 1906	6	6	50	63	22	72	4	6	100	201	4	6
January, 1907	4	7	21	27	30	117	10	17	0	0	4	7
February, "	0	0	0	0	24	62	0	0	0	0	0	0
March, "	4	6	24	37	26	64	6	12	0	0	4	6
April, "	8	12	49	69	53	126	16	32	0	0	14	30
May, "	16	24	56	90	64	167	30	55	0	0	23	40
June, "	15	22	67	117	37	90	17	25	0	0	15	22
July, "	19	31	84	151	37	85	20	35	0	0	20	35
August, "	20	34	62	97	40	109	26	44	0	0	24	40
September, "	16	26	34	51	20	60	18	30	0	0	16	26
October, "	8	12	50	73	32	67	28	45	0	0	9	13
November, "	4	6	46	125	42	78	17	67	0	0	19	73
Totals	120	186	543	900	427	1097	192	368	100	201	152	298

BOSTON AND CAMBRIDGE BRIDGES.

CITY OF CAMBRIDGE.

December 1, 1906. REVENUE. November 30, 1907

Date.	Items.	Bridges.	Totals.	One half City of Boston	One-half City of Cambridge
1906					
Dec. 18	Boston Athletic Association, rent				
1907	and dockage.....	....	$50 00	$25 00	$25 00
April 10	W. B. Hoitt, junk	West Boston.....	7 50	3 75	3 75
May 10	Thomas J. Murphy	Western Avenue..	2 00	1 00	1 00
June 14	Lawler Bros., old house.....	Prison Point.....	65 00	32 50	32 50
May 20	Fay Bros., junk.....	River St. Bridge...	6 44	3 22	3 22
May 20	Fay Bros., "	West Boston.....	84 58	42 29	42 29
Aug. 1	George Morgan, salary account...	River St. & Western Avenue	83 32	41 66	41 66
Oct. 26	C. C. Hanley, old chain.....	West Boston.....	32 00	16 00	16 00
Nov. 30	John T. Scully Foundation and				
	Transportation Co., old chain..	West Boston.....	32 00	16 00	16 00
			$362 84	$181 42	$181 42

REPORT OF THE TRUSTEES OF THE CAMBRIDGE PUBLIC LIBRARY

To the Honorable, the City Council of the City of Cambridge:—

The trustees of the Cambridge Public Library respectfully submit this their fiftieth annual report, covering the year ending November 30, 1907.

It is not without satisfaction that the trustees recall that by act of your predecessors in office fifty years ago the Cambridge Athenaeum was absorbed by the city and that thenceforth its library was to be thrown open to public use under the patronage of the city council. The fiftieth anniversary of this important event will naturally offer an opportunity for retrospect and perhaps also for some look into the future to forecast the direction and extent of possible growth. As the value of the library's work is proportionate to the interest manifested by the citizens, the trustees are of opinion that some public observance on the part of the city will lead to increased interest in the educational movement of which the public library of today is an important part.

The report of the librarian contains a detailed statement of the work of the past year and also the recommendations which his experience and specialized skill suggest. These recommendations have the endorsement of the trustees. Your special consideration, however, is asked to the part of the report which relates to the necessity of repairing the library building. The completion of the pointing of the stone work and the re-painting of the window sashes ought not to be longer delayed. As these parts are exposed to the weather, deterioration is apt to be rapid. The unsightly appearance of the interior of the building was brought to your attention a year ago, but as no appropriation was made to put the walls and woodwork in proper condition, the defects are becoming more and more marked. The trustees believe that the city by accepting this building—the munificent gift of the late Frederick H. Rindge—is thereby under obligation to preserve it.

With the assistance of the librarian and the co-operation of the school authorities, a comprehensive plan was arranged four years ago for familiarizing the school children with the advantages which a public library offers. The opportunity for instilling into the young mind a love for books, and the desire on the part of the teachers that the children might have a practical training in the choice of books,

both seemed to insure the success of the plan. The prospect of failure, however, is apparent in the record of the school circulation of books during the past year, and its obvious cause is insufficient financial support. Unless the city council is willing to aid in this work, the plan, it is feared, will have to be abandoned.

The success of the branch libraries has conclusively shown that they were seriously needed. The extent and character of the work done ought to insure for them a very liberal support. Repairs are urgently needed at the East Cambridge Branch.

The attention of the city council is again directed to the fact that easy access to the facilities of the library is enjoyed by only a portion of the citizens. A branch library in the vicinity of Lafayette Square would do much to serve the residents of that section of the city which lies east of Prospect Street and south of Cambridge Street.

The work of the traveling libraries and local stations is diminishing. Lack of funds has prevented the trustees from keeping these agencies of circulation in their former flourishing condition, and it is not unreasonable to expect that public interest in them will entirely cease unless a sufficient appropriation is granted for their maintenance.

Owing to the failure to make the necessary appropriation for salaries, the trustees were compelled to shorten the number of hours during which the public has access to the library and to impose larger responsibilities on the members of the staff. The restriction was an unwelcome one to the public, but the additional burden was accepted by the librarian and his assistants without complaint. The trustees therefore commend not only their work but also the spirit in which it was carried out.

The trustees are pained to have to record the sudden death of Miss L. Edna Brooks. As reference librarian Miss Brooks had long since demonstrated to the satisfaction of the trustees and the public the value of the important department which was intrusted to her special care.

It ought not to be necessary to impress upon the city council that a public library in this community is not, as some seem to think, a luxury, but is on the contrary a very necessary instrument of education, supplementing and broadening the work of the public school. Moreover, its activities are not limited by age or intellectual condition. It is for the benefit of all the people every day in the year. It would seem, therefore, that an enlightened public opinion would demand for such an institution a reasonably adequate support. Such a support has not in the judgment of the trustees been accorded to the Cam-

bridge Public Library by the city council. In recent years approximately not more than half the amount needed for the reasonable support of the library has been appropriated for its use. Under such conditions, and in the notable absence of private benefactions, it is inevitable that the growth of the library must suffer and its influence in the community eventually wane. A careful reading of the librarian's report will disclose the fact that important departments of the library's work are even now retrograding. After investigation, the trustees have arrived at the conclusion that this is due solely to insufficient support. Therefore, as advocates of the citizens who need the advantages which a public library is supposed to supply, the trustees are bound to protest against a policy which can only result in discredit to the library and to the city itself.

EUGENE A. McCARTHY,
ALBERT M. BARNES,
JOHN BUCKLEY,
EDWARD P. COLLIER,
WILLIAM TAGGARD PIPER,
WILLIAM J. ROLFE,
EDWARD C. WHEELER.

TRUSTEES OF THE CAMBRIDGE PUBLIC LIBRARY

1858—1908

REPORT OF THE LIBRARIAN.

CAMBRIDGE, MASS., November 26, 1907.

To the Trustees of the Cambridge Public Library:—

GENTLEMEN:—I herewith submit the following report of the work of the library for the past year:—

STATISTICS OF CIRCULATION.

Facts of unusual interest are to be gained from the statistics of circulation, as shown in Appendix I. The first for comparison with the previous year is the total circulation, which makes a jump from 241,795 to 283,688, an increase for the year of 41,893. This increase is the largest in the history of the library, the next largest coming in 1905, the figures for which are 36,423, and the third largest coming in 1874, the year of the change to a free public library, the figures being 34,761. For this large increase the credit is due chiefly to the new branch library in North Cambridge, whose total record of 52,088 makes ample amends for losses in other parts of the service. Not far behind is the older branch in East Cambridge, whose count of 47,194 shows an increase of nearly 7,000 over that of the previous year.

Two other parts of the service show increases, and the three remaining parts show losses. The adult circulation from the main library more than hold its own, by a margin of about 1,500, the figures being 112,695, as against 111,184, the previous year. The special deposit stations bring a small gain of 258, the totals being 2,214 and 1,956 respectively. Among the losers is the children's room of the main library, the circulation being 32,998, as against 35,119 for the previous year, a difference of a little over 2,000. Further losses to note are shown in the count of 7,082 for the local delivery stations, as against 11,846 the previous year, a shrinkage of more than one-third; of 10,068 for the traveling libraries, as against 13,314, a difference of more than one-fourth; and of 21,406 for the school delivery, as against 24,492, a difference of over 3,000.

This year the combined circulation from without the main library, which may be called the "local" circulation, has approached very nearly to that from within the main library, the figures being respectively 137,995 and 145,693, a difference of only 7,698. With one more branch library, located in a neighborhood that much needs it, like Lafayettte Square, the main library would be left far behind in the

count for circulation, a loss on the one hand which would be a great gain on the other, for the convenience of the public.

RETRENCHMENTS.

The gains in circulation have been made in face of the fact that the main library suffered a serious cut in its appropriation for general expenses, as compared with that of the previous year, and also that the appropriation for new books with which to equip the new branch in North Cambridge was insufficient to meet the strenuous demands made upon it. On the other hand, the losses in circulation may be traced largely to the same cause of insufficient means to do the work required. The reduction was felt in various important ways. Fewer books of all kinds were bought for the main library. The number of duplicates of new and popular books, upon which so largely depends the increase in circulation, was diminished by about half. The traveling libraries have come to a standstill, or worse, are going backward, replenishment being possible only to a small extent. Comparatively few additions have been made to the school duplicate collection, and many of the books are becoming soiled and worn from continued use. As part of the plans for retrenchment, the service of the Booklovers' library and the Tabard Inn library, for both the main library and the North Cambridge branch library, was discontinued, after July 1, a necessity that was not altogether a loss, from the fact that the service had not been satisfactory for some time before.

The amount of the appropriation for salaries for the main library being less than was actually needed to maintain the work of the library on its present basis, a considerable retrenchment was effected, beginning May 1, by dispensing with the week-day service of the evening attendants, by closing the whole library at 9 p. m., instead of at 10 p. m., by stopping the circulation of books from the children's room at 6 p. m., and by rearranging the schedule of hours for the regular assistants, in order to meet these changes. The service of the stack boys was also reduced to the utmost limit, to the detriment of the delivery department and to the annoyance of the public.

REPAIRS ON THE LIBRARY BUILDING.

The need of repairs on the library building became more and more urgent, in view of the fact that nothing had been done since the building was erected in 1889, until this year, with the exception of temporary repairs of leaks on the roof and the ceiling. With the aid

of a special appropriation of $400.00 the front steps of the main entrance have been reset and the masonry repointed. The unsightly condition of parts of the ceiling, the dryness of the finish of the woodwork, and the instability of the wooden beams of the delivery room, call for immediate attention. It is hoped that the work thus far accomplished, this year, on the outside of the building may be continued, next year, to the interior.

REUNION DURING OLD HOME WEEK.

The observance by the library of the celebration of "Old Home Week" was intrusted to a committee of three, consisting of the president, Dr. Eugene A. McCarthy, Mr. Edward C. Wheeler, and Mr. Edward P. Collier. By invitation of the present trustees and at their personal expense, a reunion of former trustees and members of the library staff was held in the local history and trustees' rooms, on Tuesday afternoon, July 30, from four to six o'clock. Invitations to the number of 200 were sent out, including also the mayor and city council, heads of city departments, members of the school committee, the clergy, and the press. The arrangements for the guests were under the special charge of Mr. Wheeler. The present trustees, as hosts, were assisted by the librarian and members of the present staff. Among the guests were former trustees, Ex-Mayors Alvin F. Sortwell and James M. W. Hall, and former librarian, Mr. William L. R. Gifford. The occasion was enjoyed by all present, and proved to be a fitting contribution to the celebration of "Old Home Week."

During the whole week, from July 28 to August 3, assistants were in special attendance to show visitors about the building, including the stack and all other parts not ordinarily open to the public. For the occasion a special chart* was prepared, at the suggestion of the president, and placed conspicuously in the passage leading from the main entrance into the delivery room, which shows in figures and heavy black lines, the growth of the library from 1858, the year in which the library previously private, became the property of the city, down to the latest full year, 1906. A special display of music scores, as purchased from the city appropriation and from the income of the James A. Woolson fund, was made in the delivery room, in order that visitors might better see and appreciate the size and growth of this department, especially during the last two years.

* See insert before page 21.

CATALOGUING DEPARTMENT.

The work of this part of the service has been increased by the demands of the new branch in North Cambridge, all the books for which come first to the main library for classification and cataloguing. A recognized part of the routine of this department is the cataloguing of all the books for the older branch library in East Cambridge. A special task has been the rearranging and cataloguing of all the books in the children's room of the main library, and of the East Cambridge branch library, a task begun three years ago and finished this year. Two other separate tasks which have been in progress for several years are approaching completion: the re-cataloguing of the books in foreign languages, of which French fiction, the largest section, is now renumbered; and the making of a duplicate catalogue of the books in the local history room. For both these groups special card cases have been provided. The former of these tasks has helped to diminish the old collection of books in the basement of the stack, which still remains available chiefly in the printed catalogue and its supplements. This summer a large number of important pamphlets was classified and shelved. During the year probably 20,000 cards for nearly 6,500 books have been prepared, with the help of the printed cards from the Library of Congress. By means of a new record slip, adapted from that in use at the Carnegie public library in Washington, it is now possible to keep a convenient and complete account of the new books, by classified accessions, and of the part taken by each assistant in the preparation of each book for use by the public. In addition to the regular routine of the department, the head assistant, Miss Etta Lois Russell, gave considerable time, at various intervals, to instruction in the essentials of cataloguing for the benefit of several members of the staff.

SPECIAL LISTS.

In connection with the regular issue of the Bulletin, and supplementary to it, came, at the beginning of the fiscal year, the issue of a special "Bibliography of Thomas Wentworth Higginson," in commemoration of Colonel Higginson's eigthy-third birthday, December 22, 1906, and in recognition of his long service of fourteen years, from 1889 to 1903, as trustee of the public library. This work was based upon a chronological note-book of Colonel Higginson's, and in its preparation Mrs. Winifred (Smith) Mather, first assistant cataloguer, and Miss Eva G. Moore, his private secretary, deserve chief

credit. The pamphlet fills 48 pages, in the same form as the regular Bulletin, and in a separate edition of 800 copies. In the arrangement of its material and in the omission of all library numbers, it differs from all previous lists issued from the library, and it represents the most ambitious work the library has ever undertaken. High praise of the completeness and accuracy of the work has come, not only from its subject, Colonel Higginson himself, but also from critics of recognized authority in their reviews of it in magazines and newspapers.

By the end of the fiscal year will be completed the preparation for the printer of a similar work, a special "Bibliography of William James Rolfe," as a testimonial in honor of the eightieth birthday, December 10, 1907, of another distinguished trustee, Dr. William J. Rolfe, whose service still continues. In this instance, as in the other, the subject of the bibliography has furnished his own material, and Miss Etta Lois Russell, head assistant, and Miss Eva Ferris Magee, of the cataloguing staff, have followed his directions and adapted it to the form of our Bulletin. It is a rare privilege for this library to render such a service to two of its own trustees, and that within the space of one year. In each instance the service has been a labor of love for all concerned.

A less exhaustive bibliography, entitled a "Selected list of books and periodical literature relating to Henry Wadsworth Longfellow," was issued in advance of the celebration of the centenary of the poet's birthday, February 27, 1907, which was held under the auspices of the Cambridge Historical Society. It fills 15 pages of the Bulletin for that month, and was also issued in a separate edition of 2,000 copies for school and general use, at the end of the list being a special section for young readers. The bibliography is interesting also as showing the extent and value of the special collection of books by and about Longfellow now deposited in the Cambridge room, a number of first or early editions being included.

In connection with the celebration of the centenary of the birth of Louis Agassiz, under the auspices of the Cambridge Historical Society, the contribution of the library was a "Selected list of books and periodical literature relating to Agassiz," which was sent out to the teachers of the city, some 500 in number.

LONGFELLOW CENTENARY EXHIBIT.

Besides the issue of the special Longfellow "List," as above described, the library took an important part in the Longfellow centenary celebration by its exhibit of books, manuscripts, portraits,

curios, and other material sent to it from the Longfellow House, from Harvard College library, and from local and distant collectors and publishers, in addition to its own collection, and by its custody of the exhibit during the week of its stay in the Cambridge room, from February 25 to March 4. This exhibit proved to be the most valuable and interesting of its kind ever held in Cambridge.

GIFTS AND FUNDS.

Within the year have been received as gifts an unusual number of books, among the larger givers being Mr. Francis C. Foster, Mr. Edwin D. Mellen, Mrs. B. W. Taggard, and Dr. William J. Rolfe, the last named completing the set of his new edition of Shakespeare which has been placed in the Cambridge room. The continued application of the income of several of the special funds to the purchase of books on particular subjects has resulted in substantial increases to two collections, that of music scores, which are bought from the income of the James A. Woolson fund, and that of books on American local history and genealogy, which are bought from the income of the William E. Saunders fund. The income from all the five special funds, the Citizens' Subscription fund, the Cummings fund, the Fay fund, and the two funds above mentioned, is far short of what it ought to be, and of what it is in several public libraries of the State which are located in cities much smaller than Cambridge.

THE LIBRARY AND THE SCHOOLS.

Along with all the other departments of the service, the school circulation has suffered from the reduction in the amount of annual appropriation, and the decrease of some 3,000 is its most obvious effect. As to comparative showings for the year, the Roberts school again leads, with a count of 3,013 to its credit, only 7 less than that of last year. The Putnam school stands next, after a wide interval, with 1837. The Shepard school is a close third, with 1777, and the Russell school a close fourth, with 1639, the two latter schools having this year passed ahead of other and larger schools. The Fletcher school, as being the latest added to the service, and as having fewer pupils of the upper grades, stands lowest of the public schools, with a count of 706, but the older and larger Thorndike school has done but little better, with a count of 801. The Morse school reaches a circulation

of 760, although it has its own school library, the largest in the city. Of the parochial schools, that of St. Mary's counts 807 for its circulation, and that of Notre Dame stands next, with 450.

A plan of co-operation with the schools of the city, which was begun last year with such satisfactory results, was repeated this year. In accordance with this plan visits to the library of the pupils of all the ninth grades of the public and parochial schools were made, for special instruction in the use of the card catalogue and of reference works, and for an inspection of all parts of the library itself. The visits lasted from April 10 to May 17, 22 in all, including 12 public and four parochial schools, some grades coming in two divisions, and one grade in three. The extremes of attendance were 65 and 19, the average about 40. Each class was accompanied by one or two teachers. In the absence of the children's librarian, Miss Alice O'Brien, by reason of illness, the instruction to each class was first given by the librarian, and the place of meeting was, as last year, the local history room. In showing the pupils about the building the librarian was assisted by Miss L. Edna Brooks, the reference librarian, and by Miss Katherine O'Donnell, and the connection of the library with the schools and the local stations was explained by Miss Charlotte E. Stewart in her room at the end of the stack. The same opportunity of visiting the library was given to the other private schools of the city, of which one availed itself, the Berkeley school for girls. The obvious success of this plan should lead to its recognition as a permanent feature of the co-operation between the library and the schools, and its extension to include more special instruction in the use of the library, both by visits of other grades than the ninth, and by visits of the librarian or the children's librarian to the schools, for short talks in small groups, should be brought about as fast as possible.

In order to arouse still further the interest of the school children in the celebration of the Longfellow centenary, which is described in detail above, the librarian visited the grammar schools of the city, public and parochial, during the week preceding the celebration, and gave, where convenient, brief talks to the pupils of the ninth grades.

Co-operation with the high schools has been thus far confined to the Rindge Manual Training school. At the request of the English department of that school, a special list of "Fifty standard books for older boys" was issued for the December Bulletin and in a separate edition of 500 copies for school use. Condensed from a longer list of 100 books, prepared chiefly by Mr. William O. Hubbard, instructor in the same department, it was designed to supplement a similar list

of "Fifty recent books for older boys," which appeared in the Bulletin of the September before, and also to continue the endeavor on the part of the library to supply good reading for boys who are passing from the juvenile to the adult age. At the further request of Mr. Hubbard the library has established in the school a deposit collection of 100 books, for use by the pupils of his classes in English and under his special supervision.

During the fall the special list of books on "Foundry practice and pattern making," which was prepared for Mr. Richard H. Gallagher, two years ago, has been revised to date and copies in duplicate distributed to all the pupils of the school who were to use it. In order to show the application of this special list to the methods of finding material in the library in any subject, especially when all the books bearing directly on the subject happened to be out, the librarian gave brief talks before each of the five divisions of Mr. Gallagher's and also Mr. J. G. Telfer's classes. This new plan of co-operation has received the cordial approval of the principal of the school, Mr. John W. Wood, as well as of Superintendent Bates. This revised list is to be followed by other similar lists, and the same plan of instruction may be repeated, with the lists as object lessons immediately in hand.

NORTH CAMBRIDGE BRANCH LIBRARY.

The first full year of the new branch library in North Cambridge has shown a remarkable growth in circulation, as stated in the opening paragraph on statistics. The demand for new books, especially by young people, has been entirely beyond the power of the new branch library to meet. A conservative course in the choice of books was followed, and the resources of the branch library for reference work and general reading, as well as the calls for new and popular books, especially fiction, were carefully considered. Early in the year the time of keeping open the branch was lengthened one hour, continuously from 2.30 to 9 p. m., instead of closing, as at the start in November preceding, between 5.30 and 6.30 p. m. The next step, already requested, will be a continuous opening from 10 a. m. to 9 p. m., instead of the early afternoon closing from 1 to 2.30 p. m. The new quarters of the branch library are found to be well adapted to present needs, except at crowded times in the afternoon and evening. The next need will be a separate room for young children, their presence in crowds occasionally causing annoyance to adult readers. In order to meet the demands, if only in part, of the average reader, a generous appro-

priation for the coming year will be necessary, and in order to bring relief to the bareness of the walls, several large photographs should be obtained, by purchase or by gift.

EAST CAMBRIDGE BRANCH LIBRARY.

The needs of the older branch library in East Cambridge are in part different from those of the newer branch library. The total circulation of each being about the same, as shown by the statistics above, the demands for new and popular books are the same in kind, although not in amount. The larger proportion of nearly one-half non-fiction, as compared with fiction, is greatly to the credit of this branch library and of its assistant in charge, Miss Mary Curtis. Within a short time the furniture, the walls, and the floor of the room should be renovated, and more shelf space for new books provided.

LOCAL STATIONS.

The local stations have continued to lose ground, chiefly because the new books most in demand could not be sent from the main library, owing to the reduction in the appropriation. The station which leads is again Dow's, with a count of 1,254. The next in line and very close to it is Martin's, with 1,203. The lowest station is McGrath's, with a very meagre count of 78 for the whole year, and next lowest is Kidder's, with only 79. Of the two branch libraries, which serve also as local stations, the older one in East Cambridge furnished a total of 295, and the newer one in North Cambridge, 943. It must be borne in mind that the loss in circulation, as shown in the statistics above, is to be accounted for, in part, by the fact that the absorption of Mr. Hunnewell's very vigorous local station by the new branch library, which is located across the street, has transferred the count for that station to the branch library itself.

TRAVELING LIBRARIES.

Having now gone twice at least to each local station, the traveling libraries will need to be renovated throughout, and a new plan of selection adopted, in order to regain their earlier popularity. They have fared the same as the local delivery, and they cannot do their proper work without the expenditure of a considerable amount for new books. In a comparison of counts for circulation, Martin's station is first, with 1,322, Dow's is very near, with 1,279, and Conley's a close third, with 1,254. The lowest is Gove's, with 346, and next his is

Nelson's, with 466. The lack of interest shown at some of the stations deserves immediate consideration, with a view to making radical changes.

DEPOSIT STATIONS.

Within the year three new deposit stations were added: the St. John's Literary Institute, in East Cambridge, the St. Mary's Reading Circle, connected with the parochial school of that name, and the Sunday school of the Prospect Street Congregational Church. Each of these stations opens a new field of work, which is still partly tentative, and not productive of large results. On the occasion of the first instalment of books at the rooms of the St. John's Literary Institute, informal addresses were given before the members of the society by Mr. Edward P. Collier, in behalf of the trustees, and by the librarian.

STAFF.

In the sudden death of our reference librarian, Miss L. Edna Brooks, on the morning of Thanksgiving Day, November 28, the library has lost the services of one of its most efficient and valuable assistants. During the first half of her connection of six years with the library, Miss Brooks had been employed as general assistant, and during the second half, the last three years, she has been reference librarian. She had not only bent all her energies to developing the department on its own basis, but she had also made herself valuable in many other ways. No assistant had so completely won the esteem and respect of the general public as Miss Brooks, for her unaffected cordiality of manner, her untiring efforts to please all who came to her for assistance, and her ability to meet and answer inquiries of every kind, for both young and old. Her desk became a mine of information, and none could have better fulfilled the exacting demands of her important position. Her place will be hard to fill and her memory long cherished by all who were associated with her in the work of the library, both trustees and staff, as well as by the public at large.

The resignation of Mrs. Winifred (Smith) Mather, first assistant cataloguer, took effect January 1, after a long and valuable service of about fifteen years in various departments of the library, due recognition of which was given by special vote of the trustees. Her exhaustive and careful work upon the Higginson Bibli-

ography, as above mentioned, sums up, at the end of her library career, the qualities of mind which have made conspicuous her entire experience: her mental alertness, her accuracy, thoroughness, and scholarly method of investigation, whether at the delivery desk, as in the earlier time of her service, or at the reference desk, just before Miss Brooks, or as cataloguer in the department which she best liked, and in which she last served. Her place, like that of Miss Brooks, was a difficult one to fill. It has been well taken by the promotion of Miss Eva Ferris Magee, second assistant cataloguer, and the latter's work has been assigned, in part, to Miss Katharine A. O'Donnell, who has also served as the librarian's clerk. To fill a vacancy, Miss Theresa L. Burke was made general assistant, beginning January 1, after having served three months as substitute assistant. In May Miss Olive Telford was appointed Sunday attendant in the children's room, in place of Miss Edith E. Sherman, resigned. In place of Miss Alice O'Brien, who resigned, October 1, to accept a business position in Boston, after a service of three years, Miss Caira D. Hawkes was chosen children's librarian. Like Miss O'Brien, Miss Hawkes is a graduate of Boston University, and she has had a library training at Simmons College, an experience there as assistant librarian, and also as custodian of a branch of the Milton public library, and an extended experience in teaching. All these qualifications promise success in her new work.

The librarian hereby makes acknowledgment of his appreciation of the co-operation of both trustees and library staff in his administration of the work of the library throughout the year.

Respectfully submitted,

CLARENCE W. AYER,
Librarian.

APPENDIX I.

GENERAL STATISTICS.

Total number of volumes in the library (including branches)	77,953

MAIN LIBRARY.

Volumes in main library	73,555
Volumes added during 1907	4,406
Volumes recovered (reported lost, 1906)	116
Volumes condemned	1,276
Volumes lost	120
Volumes destroyed on account of contagious diseases	41
Duplicate volumes transferred to North Cambridge Branch	108

EAST CAMBRIDGE BRANCH.

Volumes in East Cambridge Branch	2,700
Volumes added during 1907	867
Volumes condemned	552
Volumes lost	35

NORTH CAMBRIDGE BRANCH.

Volumes in North Cambridge Branch	1,698
Volumes added during 1907	1,315
Volumes condemned	9
Volumes lost	3

CIRCULATION.

	Main Library: Adult	Main Library: Juvenile	Local, including branch libraries	Schools	Total
First quarter	30,393	9,194	32,707	4,942	77,236
Second quarter	32,249	9,260	32,328	5,630	79,467
Third quarter	21,636	6,531	21,620	7,088	56,875
Fourth quarter	28,417	8,013	29,934	3,746	70,110
Total	112,695	32,998	116,589	21,406	283,688

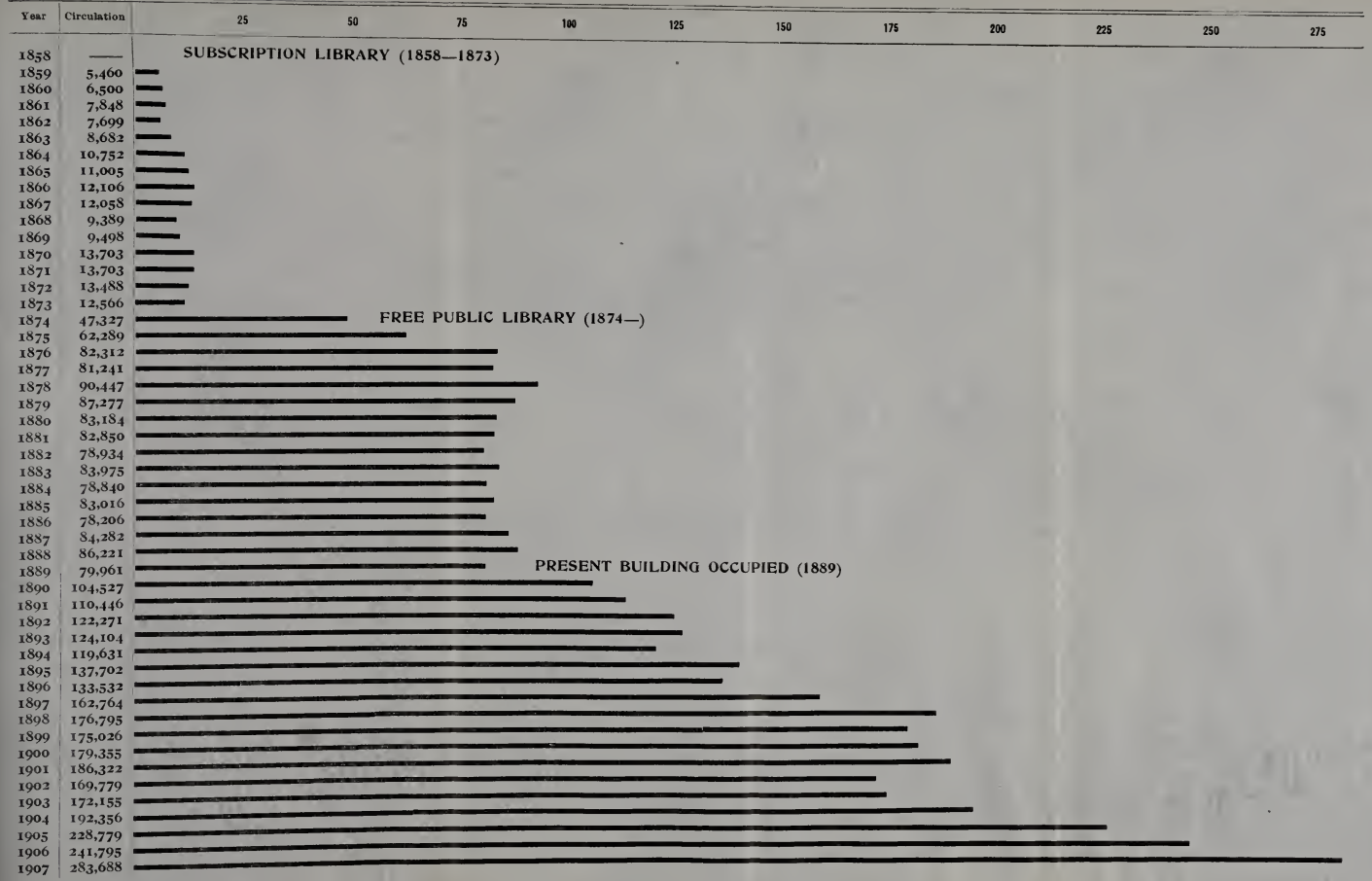
ADULT.

Average per day	371
Largest issue, February 23	935
Smallest issue, August 3	67
Booklovers' Library	254
Tabard Inn Library	488
Books from the stack used for reference	10,370
Summer school borrowers	148
Re-registered card-holders	16,500

JUVENILE.

Average per day	108
Largest issue, March 2	248
Smallest issue, August 3	26

CIRCULATION CHART



CLASSIFIED CIRCULATION: MAIN LIBRARY, ADULT.

CLASSES	General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Magazines	Fiction	Total
Circulation	3,454	1,971	1,657	3,415	470	2,582	3,461	4,811	8,931	9,145	4,083	7,106	61,609	112,695
Per cent.....	.030	.017	.015	.032	.004	.023	.031	.040	.080	.081	.034	.063	.55	1.000

CLASSIFIED CIRCULATION: MAIN LIBRARY, JUVENILE.

CLASSES	General	Philosophy	Religion	Sociology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Magazines	Fiction	Total
Circulation....	97	32	222	468	503	354	602	8 6	3,258	715	111	25,820	32,998
Per cent.....	.003	.001	.007	.014	.015	.011	.018	.027	.098	.021	.003	.782	1.000

EAST CAMBRIDGE BRANCH LIBRARY.

General circulation from branch	46,899
Local delivery through branch, tabulated on next page	295
Combined totals	47,194

NORTH CAMBRIDGE BRANCH LIBRARY.

General circulation from branch	50,326
Local delivery through branch, tabulated on next page	943
Traveling Library	1,762
Combined totals	52,088

ADDITIONS (INCLUDING REPLACED BOOKS).

Source ..	City appropriation	Citizens' Subscription fund	Cummings fund	Fay fund	William E. Saunders fund	James A. Woolson fund	Gifts	By exchange	Total
Books ...	5,912	27	20	12	102	102	300	5	6,480

LOCAL DELIVERY.
(Including Branches and Traveling Libraries.)

Local stations and branches	Conley	Dow	E. Camb. br.	Gove	Kidder	Lombard	McGrath	Martin	Murphy	Nelson	N. Camb. br.	Phillips	Deposit Collections	E. Camb. br.	N. Camb. br. including Tabard Inn and Booklovers	Catholic Union	Prospect Union	Social Union	Totals
Local delivery.....	598	1,254	295	471	79	447	78	1,203	833	374	943	507	2,214	46,899	50,326				106,521
Traveling Libraries	1,254	1,279		346	791	503	514	1,322	799	466	1,762	699				62	28	243	10,068
Totals.....	1,852	2,533	295	817	870	950	592	2,525	1,632	840	2,705	1,206	2,214	46,899	50,326	62	28	243	116,589

SCHOOL CIRCULATION.

Ellis	Fletcher	Harvard	Houghton	Kelley	Morse	Notre Dame	Peabody	Putnam	Roberts	Russell	St. Mary	St Paul	St. Peter	Shepard	Sleeper	Taylor	Thorndike	Webster	Wellington	Vacation	R. M. T. S.	Totals
721	706	1,269	1,246	664	760	450	877	1,837	3,013	1,639	807	350	280	1,777	928	921	801	1,321	773	149	117	21,406

APPENDIX II.

City Appropriation.

MAIN LIBRARY.

Salaries.

Appropriation		$11,100.00
Expended		11,099.41
Amount unexpended		$0.59

General Expenses.

Appropriation		$10,400.00

Expenditures.

Binding	$1,264.01	
Books and periodicals, general	4,156.89	
Books for schools	222.88	
Books for traveling libraries	144.36	
Bulletin	383.50	
Fuel	657.72	
Furniture	40.75	
Incidentals	399.05	
Insurance	378.00	
Lighting	829.64	
Local stations	829.50	
Printing, postage and stationery	634.92	
Repairs	458.46	
		10,399.68
Amount unexpended		$0.32

APPROPRIATION FOR EAST CAMBRIDGE BRANCH LIBRARY.

Salaries.

Appropriation (by transfer decreased $78.00 from $1,039.50)		$961.50
Expended		961.30
Amount unexpended		$0.20

General Expenses.

Appropriation (by transfer increased $78.00 from $1,000.00)		$1,078.00

Expenditures.

Binding	$86.03	
Books and periodicals	802.74	
Incidentals	42.95	
Lighting	95.43	
Printing, postage and stationery	50.80	
		1,077.95
		$0.05

APPROPRIATION FOR NORTH CAMBRIDGE BRANCH LIBRARY

Salaries.

Appropriation (by transfer decreased $110.00 from $1,200.00)	$1,090.00
Expended	1,089.45
Amount unexpended	$0.55

General Expenses.

Appropriation (by transfer increased $110.00 from $400.00)	$510.00	
Appropriation for books	1,000.00	
		$1,510.00

Expenditures.

Binding	$53.67	
Books and periodicals	1,079.56	
Furniture	142.80	
Incidentals	41.01	
Lighting	122.40	
Printing, postage and stationery	69.57	
		1,509.01
Amount unexpended		$0.99

AMOUNTS RECEIVED FROM FINES, ETC., AND DEPOSITED WITH THE CITY TREASURER.

FINES, ETC.

First quarter	$214.00
Second quarter	203.00
Third quarter	148.00
Fourth quarter	160.59
Total	$725.59

APPENDIX III.

FUNDS OF THE TRUSTEES.

CITIZENS' SUBSCRIPTION FUND.

Balance, December 8, 1906		$19.96
Interest on daily balance		3.19
Interest on bonds		220.00
Cash gift, credited to this fund		19.80
		$262.95

Expenditures.

W. B. Clarke Co.	$5.00	
Cunningham Bros.	20.00	
Charles Evans	15.00	
Little, Brown & Co.	131.15	
George E. Littlefield	39.60	
		210.75
Balance on hand, December 9, 1907		$52.20

CUMMINGS FUND.

Balance, December 8, 1906		$2.35
Interest on bond		80.00
		$82.35

Expenditures.

Club of Odd Volumes	$20.00	
Little, Brown & Co.	24.20	
Francis D. Tandy Co.	27.00	
		71.20
Balance on hand, December 9, 1907		$11.15

FAY FUND.

Balance, December 8, 1906		$2.81
Interest on bond		35.00
		$37.81

Expenditures.

Little, Brown & Co.	$13.50	
George E. Littlefield	9.00	
University of Chicago Press	1.94	
		24.44
Balance on hand, December 9, 1907		$13.37

WILLIAM E. SAUNDERS FUND.

Balance, Dec. 8, 1906	$118.71
Interest on bonds	245.00
Interest on savings bank deposits	13.95
	$377.66

Expenditures.

R. M. Barrett	$24.50	
J. W. Denehy	5.40	
Essex Antiquarian Society	2.00	
Essex Institute	4.00	
Herman Goldberger	2.70	
Goodspeed's Book Shop	20.00	
George E. Littlefield	251.77	
Massachusetts Historical Society	6.00	
Massachusetts Society of Mayflower Descendants	2.00	
Medford Historical Society	1.00	
New-England Historic Genealogical Society	28.00	
C. S. Parker & Son	2.66	
Mrs. Cora M. Payne	2.70	
Charles N. Sinnett	4.50	
Somerville Historical Society	1.00	
	$358.23	
Interest on savings bank deposits [added to principal	13.95	
		372.18
Balance on hand, December 9, 1907		$5.48

JAMES A. WOOLSON FUND.

Balance, December 8, 1906	$10.70
Interest on bond	175.00
	$185.70

Expenditures.

Oliver Ditson Co.	$110.41	
J. H. H. McNamee Company	54.75	
		165.16
Balance on hand, December 9, 1907		$20.54

The principal of the above funds are as follows:

Citizens' Subscription Fund	$5,500.00
Cummings Fund	2,000.00
Fay Fund	1,000.00
William E. Saunders Fund	7,409.54
James A. Woolson Fund	5,000.00
	$20,909.54

ANNUAL REPORT OF THE CITY AUDITOR

CITY AUDITOR'S OFFICE,

CAMBRIDGE, December 1, 1907.

To the Honorable, the City Council:—

The undersigned herewith presents the annual statement of the receipts and disbursements of the City of Cambridge for the fiscal year beginning on the first day of December, 1906, and ending on the thirtieth day of November, 1907.

The first part of this report is devoted to an exhibit of the receipts and disbursements of the City arranged upon the Schedules for Uniform Municipal Accounting recommended by the National Municipal League. Following these schedules are the usual matters presented in the City Auditor's report, including a schedule of the City property.

Respectfully submitted,

HARRY T. UPHAM,

City Auditor.

REPORT OF CITY AUDITOR

For Year Ending November 30, 1907.

SCHEDULE A-I.

Receipts and Disbursements of the Fiscal Year.

CONSOLIDATED STATEMENT.

Cash Balance at beginning of the year		$163,090 20
Actual Receipts* during the year.....	$3,102,367 69	
Actual Disbursements* during the year.....	3,262,604 74	
Excess of Disbursements.....		160,237 05
Cash Balance at end of the year		$2,853 15

* Omitting duplications, which are set up separately in Schedules A-II. and A-VI.

SCHEDULE A-II.

General Exhibit of Receipts and Expenditures of the Fiscal Year.

Separated under the four heads, "Ordinary," "Extraordinary," "Trust Funds," and "Temporary Accounts."

	Receipts.	Expenditures.
Ordinary. (Operation and maintenance)..... (For details see Schedule A–III.)	$2,657,835 76	$2,813,790 41
Extraordinary. (Construction, &c.) ..... (For details see Schedule A–III.)	444,531 93	448,814 33
Total Actual Cash Transactions of the Year. (Omitting duplications)..... ..... (Per Schedule A–I.)	$3,102,367 69	$3,262,604 74
Trust Funds..... (For details see Schedule A–V.)	2,490 50	2,490 50
Temporary Accounts. (Duplications)..... (For details see Schedule A–VI.)	882,500 00	882,500 00
Total transactions, per City Auditor's books	$3,987,358 19	$4,147,595 24

Ordinary has relation only to the current revenues and "running expenses" (operation and maintenance), and does not include receipts or payments on account of loans, nor on account of permanent construction or other capital accounts.

Extraordinary has no relation to current revenue or running expenses, but does include receipts and payments on account of loans, and for permanent construction and other capital accounts.

Trust Funds include all receipts and payments of the City when acting as trustee or as agent for funds, trusts, special deposits, etc., which cannot be used except for particular and specified purposes.

Temporary Accounts include all receipts and payments to the City which are simply journal items, duplications, or items paid in, temporarily held and paid out again, and must give the same figures for both receipts and expenditures.

ACTUAL FINANCIAL RESULT OF THE OPERATION AND MAINTENANCE OF THE CITY FOR THE YEAR.

Ordinary Receipts, as above, from taxation and other sources, not including money borrowed.....	$2,657,835 76	
Ordinary Expenditures, as above, for operation and maintenance (running expenses).....	2,813,790 41	
Excess of Ordinary Expenditures for the year.....		$155,954 65
Excess of Extraordinary Expenditures.....		4,282 40
		$160,237 05

SCHEDULE A-III.

Exhibit of Receipts and Expenditures for the Year, Ordinary and Extraordinary, Grouped According to Functions.

ORDINARY.*

	Receipts.	Expenditures.
General Administration	$8,987 43	$118,001 71
Public Safety (Protection of Life, Health & Property)	10,485 07	357,869 68
Public Charity	25,762 79	82,334 81
Public Highways and Sanitation	15,373 13	522,466 48
Municipal Enterprises	398,266 38	102,871 44
Public Education, Libraries, etc.	8,420 20	554,898 57
Public Recreation	5,729 76	93,940 49
Public Indebtedness. (Transactions during the year)	.....	321,916 66
Public Interest	13,511 08	414,814 10
Public Taxation	2,214,409 74	321,763 92
Special Assessments. (Street Betterments, etc.)	33,977 63	.....
Unclassified	.....	.....
Total of Ordinary (per Schedule) A–II.)	$2,734,923 21	$2,890,877 86
Less Transfers, Rebates and Refunds	77,087 45	77,087 45
	$2,657,835 76	$2,813,790 41

EXTRAORDINARY.*

	Receipts.	Expenditures.
General Administration	.....	.....
Public Safety (Protection of Life, Health & Property)	.....	.....
Public Charity	.....	.....
Public Highways and Sanitation	.....	$291,691 41
Municipal Enterprises	$10,909 21	84,181 41
Public Education, Libraries, etc.	.....	45,983 92
Public Recreation	.....	26,957 59
Public Indebtedness. (Transactions during the year)	408,145 50	.....
Public Interest	.....	.....
Public Taxation	.....	.....
Special Assessments. (Street Betterments, etc.)	25,477 22	.....
Unclassified	.....	.....
Total of Extraordinary (per Schedule A–II.)	$444,531 93	$448,814 33

* For Details see Schedule A–IV.

SCHEDULE A–IV.

EXHIBITS OF RECEIPTS, APPROPRIATIONS AND EXPENDITURES, DIVIDED INTO ORDINARY AND EXTRAORDINARY, AND ARRANGED BY DEPARTMENTS AND DIVISIONS, WHICH ARE GROUPED ACCORDING TO THEIR FUNCTIONS AS IN THE PRECEDING SCHEDULE.

1. GENERAL ADMINISTRATION.

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary.
1.1 Mayor's Department	.....	.....	$6,180 00	$6,179 76	.....
1.2 Councils:					
City Messenger's Department	.....	.....	2,385 00	2,379 85	.....
Clerk of Committees	.....	.....	4,225 00	4,201 95	.....
City Council Expenses	.....	.....	5,500 00	5,493 09	.....
City Clerk's Department	$1,200 25	.....	9,000 00	8,900 87	.....
				$20,975 76	
1.3 Law Department	1,000 00	.....	5,337 05	5,331 29	.....
1.4 Finance:					
Auditing Department	.....	.....	4,300 00	4,299 52	.....
Assessors' Department	.....	.....	15,600 00	15,599 99	.....
Treasurers' (and Collector)	5,094 86	.....	19,200 00	19,076 33	.....
Sinking Fund Officials	.....	.....	350 00	325 00	.....
				$39,300 84	
1.5 Elections:					
Election Expenses, City Cl'rk	.....	.....	11,287 59	11,287 59	.....
" Registr's of Vot'rs	.....	.....	4,500 00	4,488 29	.....
" Sup't B'ld'gs	.....	.....	3,200 00	3,191 37	.....
				$18,967 25	
1.6 City Hall:					
City Building Account	116 02	.....	25,637 00	25,558 50	.....
1.7 Miscellaneous:					
Postage and Stat'ry, Mes'g'r	1,528 47	.....	1,700 00	1,688 31	.....
Refund of Damages	40 00	.....	.....	.....	.....
Costs in Suit	7 83	.....	.....	.....	.....
Total General Administration	$8,987 43			$118,001 71	

SCHEDULE A–IV.—*Continued.*

2. PUBLIC SAFETY. (Protection of Life, Health and Property.)

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary.
2.1 Police Department	$976 34				
Salaries			$159,150 00	$158,949 88	
General Expenses			7,440 00	7,439 53	
				$166,389 41	
2.2 Fire Department	35 27				
Salaries			101,314 00	101,244 16	
General Expenses			22,540 00	22,495 08	
				$123,739 24	
2.2a Fire and Police Telegraph:	17 55				
Electrical Department—Wire Account, Salaries			9,013 00	8,909 00	
General Expenses			4,000 00	3,999 82	
Police Signal Boxes			450 00	450 00	
				$13,358 82	
2.3 Courts:					
Fines—Police Department	4,573 05				
2.4 Health Department:	1,594 82				
Salaries			13,210 00	12,936 04	
General Expenses			18,706 33	16,975 60	
Diphtheria Hospital			8,522 88	8,521 99	
Land for Hospital			6,240 00		
Insp'ct'r of Milk and Vineg'r			2,001 47	2,001 47	
Modified Milk	538 12		1,190 53	1,190 53	
Inspector of Animals			900 00	886 14	
				$42,511 77	
2.5 Inspectors:					
Superintendent of Buildings			7,000 00	6,998 81	
Plumbers' Examiners Dept.			150 00	119 93	
Sealer of W'ts and Measures	736 92		2,850 00	2,762 86	
Removal of City Scales			550 00	510 34	
				$10,391 94	
2.6 Militia and Armories:					
Rifle Range			1,016 90	1,016 00	
Car Tickets to and from Rifle Range			650 00	462 50	
Commonwealth of Mass	2,013 00				
				$1,478 50	
2.7 Miscellaneous:					
Total Public Safety. (Protection Life, Health and Property)	$10,485 07			$357,869 68	

SCHEDULE A–IV.—*Continued.*

3. PUBLIC CHARITY.

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary.
3.1 **Hospitals**	$441 01	.....	$1,600 00	$1,599 71	.....
3.2 **Insane:**					
Outside Aid—Care of Insane	.....	.....	.....	2,638 94	.....
3.3 **Houses for Children, Aged, Deaf, Dumb, Blind, etc.:**					
3.4 **Almshouses:**					
City Farm	5,486 29	.....	4,985 00	4,979 24	.....
City Home	833 88	.....	19,505 00	19,504 55	.....
				$24,483 79	
3.5 **Out-Door Relief**	1,836 85	.....	.....	.....	.....
Salaries	.....	.....	3,560 00	3,560 00	.....
General Expenses (less care of Insane)	1,600 00	.....	20,840 00	18,174 63	.....
City Physician	.....	.....	1,500 00	1,500 00	.....
				$23,234 63	
3.6 **Lodging Houses.**					
3.7 **Prisons and Reformatories:**					
3.8 **Workhouses:**					
3.9 **Miscellaneous:**					
State Aid—Soldiers' Relief	15,561 76	.....	30,500 00	30,377 74	.....
Total Public Charity	$25,762 79			$82,334 81	

SCHEDULE A–IV.—*Continued.*

4. PUBLIC HIGHWAYS AND SANITATION.

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary.
4.1 Administration:					
Engineering Department	.....	.....	$9,650 00	$9,581 82	.....
Salaries—Superintendent of Streets and Clerks	.....	.....	6,273 00	6,273 00	.....
				$15,854 82	
4.2 Opening, Grading and Widening Streets:					
Land Damages	.....	.....	34,643 24	.....	$19,681 80
Street Construction	.....	.....	59,372 51	.....	54,818 75
Board of Survey	.....	.....	175 00	174 73	.....
					$74,500 55
4.3 Street Paving:					
Rebuilding Streets	.....	.....	99,326 04	97,573 89	.....
Maintenance	$815 87	.....	65,000 00	64,875 53	.....
Crossings	.....	.....	2,663 00	2,662 27	.....
				$165,111 69	
4.4 Sidewalks:					
Paving — Edgestones and Sidewalks	323 83	.....	26,500 00	.....	26,494 54
Paving—Sidewalk Repairs	.....	.....	5,500 00	5,494 80	.....
4.5 Street Lighting:					
Electrical Dept.—St. Light'g	.....	.....	79,705 00	79,693 32	.....
4.6 Street Cleaning:					
Street Cleaning Division	.....	.....	37,041 15	36,984 62	.....
4.7 Snow Removal	.....	.....	9,000 00	8,997 32	.....
4.8 Street Sprinkling:					
Street Watering	1,123 95	.....	31,300 00	31,291 10	.....
4.9 Refuse Collection and Disposal:					
Overseers of Poor — House Offal	10,564 07	.....	36,000 00	35,985 15	.....
Collection of Ashes	.....	.....	37,500 00	37,458 48	.....
Incinerator Plant	.....	.....	30,000 00	....	386 09
				$73,443 63	

SCHEDULE A–IV.—*Continued.*

4. PUBLIC HIGHWAYS AND SANITATION—Concluded.

	Receipts.		Appropriations.	Expenditures.	
	Ordinary	Extraordinary.		Ordinary	Extraordinary.
4.10 Sewers and Sewage Disposal:					
Sewer Dept.—Construction..	.....	.....	$17,000 00	.....	$15,225 24
Portland St. Trunk Sewer..	.....	.....	28,000 00	.....	25,387 16
Gate Chambers.....	.....	.....	5,000 00	.....	2,831 50
Sewer Dept.—Maintenance..	$265 99	.....	20,000 00	19,469 20	....
Sewer Department—Separate System of Drainage.....	.....	.....	26,509 25	.....	19,229 69
Metropolitan Sewer Tax....	.....	.....	....	64,323 01	.....
				$83,792 21	$62,673 59
4.11 Rivers, Harbors and Waterways:					
4.12 Bridges:					
Boston Bridges.....	181 42	.....	11,891 50	$11,891 38	.....
Cambridge Bridge.....	.....	....	109,173 06	.....	106,926 72
Bridges—Street Department.	2,098 00	....	7,631 62	7,537 26	.....
Brookline Bridge Approach.	... .	.....	3,483 89	.....	1,851 91
Commercial Ave. Bridge....	.....	.....	55,000 00	.....	18,839 77
Soldiers' Field Bridge.....	.....	.....	500 00	.....	18 24
				$19,428 64	$127,636 64
4.13 Miscellaneous:					
Damage to persons and personal property.....	.....	.....	2,500 00	1,851 00	.....
Civil Service Department...	....	.....	350 00	348 60	.....
				$2,199 60	
Total Public Highways and Sanitation.....	$15,373 13			$522,466 48	$291,691 41

SCHEDULE A–IV.—*Continued.*

5. MUNICIPAL ENTERPRISES.

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary.
5.1 Water Works:					
Construction	.....	$906 21	$99,000 00	.....	$84,181 41
Maintenance	.....	.....	79,600 00	$75,764 72	....
Rates	$380,257 40	.....	.....	.....	.....
Miscellaneous	6,579 60	.....	.....	.....	....
Refunds and Abatements	.....	.....	7,300 00	7,260 72	....
	$386,837 00	$906 21		$83,025 44	$84,181 41
5.2 Cemeteries:					
Salaries and Labor	.....	.....	16,000 00	15,848 77	.....
Gen'l Expenses	.....	.....	3,000 00	2,998 97	.....
Rebuilding Wall	.....	....	1,000 00	998 26	.....
Burials, etc	9,858 27	.....	.....	.....	.....
Sale of Lots, etc	.....	9,513 00	....	.....	.....
				$19,846 00	
5.3 Electric Light and Power Plants:					
5.4 Municipal Heating Plants:					
5.5 Municipal Street Railways:					
5.6 Transit Subways:					
5.7 Subways for Pipes and Wires:					
5.8 Markets:					
5.9 Docks and Wharves:					
5.10 City Real Estate:					
Rents	1,571 11	.....	.....	.....	.....
Sales	.....	490 00	.....	.....	.....
5.11 Stocks, Bonds and Investments:					
5.12 Other Investments:					
5.13 Miscellaneous:					
Total Municipal Enterprises.....	$398,266 38	$10,909 21		$102,871 44	$84,181 41

SCHEDULE A–IV.—*Continued.*

6. PUBLIC EDUCATION, LIBRARIES, ETC.

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary.
6.1 Schools:					
Tuition, etc	$6,851 00				
Salaries: Janitors and others			$42,925 00	$42,917 44	
General Expenses	17 10		54,250 00	54,249 65	
Addition to Wellington Schoolhouse			39,770 71		$39,763 32
Land for Taylor Schoolh'se			2,500 00		2,500 00
New Schoolh'se "Houghton"			3,765 49		3,720 60
Care of Truants			3,278 68	3,278 68	
Flags			100 00	32 40	
Incidentals			2,900 00	2,899 64	
Salaries, T'ch'rs and Offic'rs			395,000 00	394,999 00	
Text Books and Supplies	826 51		28,250 00	28,249 57	
Transportation			250 00	222 00	
Vacation Schools			1,971 32	1,913 39	
				$528,761 77	$45,983 92
6.2 Libraries:					
Main Library			21,500 00	21,499 09	
East Cambridge Branch			2,039 50	2,039 25	
Fines	725 59				
North Cambridge Branch			2,600 00	2,598 46	
				$26,136 80	
6.3 Other Education:					
6.4 Miscellaneous:					
Total Public Education, Libraries, etc	$8,420 20			$554,898 57	$45,983 92

SCHEDULE A–IV.—*Continued.*

7. PUBLIC RECREATION.

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary.
7.1 Museums and Art Galleries:					
7.2 Parks:					
Metropolitan Park Tax				$51,181 40	
Construction Account	$2,220 70		$33,177 63		$26,957 59
Commons, Squares and Public Grounds			5,300 00	5,299 61	
Cambridge Field and Shelter	345 68		6,000 00	5,999 89	
General Account	5 20		1,400 00	1,399 59	
Salaries			2,200 00	2,144 00	
Sections A. B, D and F			4,800 00	4,799 65	
Rindge Field			1,000 00	999 66	
B. T. Moth Extermination	1,894 50		9,000 00	8,999 67	
Sections G and H			2,000 00	1,999 77	
Shade Trees			5,000 00	4,999 92	
Sand Gardens			200 00	199 79	
				$89,022 95	
7.3 Baths:					
Park Dept., Maintenance	1,263 68		2,300 00	2,299 56	
7.4 Celebrations:					
Independence Day			1,700 00	1,627 33	
Labor Day			400 00	399 65	
Memorial Day			1,100 00	1,100 00	
Old Home Week			500 00	491 00	
				$3,617 98	
7.5 Miscellaneous:					
Total Public Recreation	$5,729 76			$93,940 49	$26,957 59

SCHEDULE A–IV.—*Continued.*

8. PUBLIC INDEBTEDNESS. (Transactions During the Year.)

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary.
8.1 Receipts From Loans, Not Including Temporary Tax Loans:					
Building Loan (Incinerator Plant)		$30,000 00			
Cambridge Bridge		105,000 00			
Parks		10,000 00			
Schoolhouse					
Sewer		70,000 00			
Street		94,000 00			
Water		74,000 00			
		$383,000 00			
8.2 Payments to Sinking Funds:					
Park			$24,453 33	$24,453 33	
Cambridge Bridge			19,333 33	19,333 33	
Cambridge Bridge Special			616 00	616 00	
Clay Lands			5,335 00	5,335 00	
General			105,520 38	105,520 38	
Harvard Bridge			8,800 00	8,800 00	
Improved Sewerage			9,878 00	9,878 00	
Separate System			1,100 00	1,100 00	
Water			132,143 62	132,143 62	
Hospital			225 00	225 00	
Metropolitan P'k Assessm't			1,012 00	1,012 00	
Brookline Bridge			333 33	333 33	
Commercial Ave. Bridge			666 67	666 67	
				$309,416 66	
8.3 Direct Payment of Matured Debt:					
(Not from sinking funds, but from tax levy direct)			12,500 00	12,500 00	
8.4 Floating Debt Transactions:					
Excess of Temporary Loans Issued		$20,000 00			
8.5 Miscellaneous:					
Premium Account		4,898 00			
Premium Acc't, Water Loan		247 50			
		$5,145 50			
Total Transactions Concerning Public Debt		$408,145 50		$321,916 66	

SCHEDULE A–IV.—*Continued.*

9. PUBLIC INTEREST.

	Reeeipts.		Appro-priations.	Expenditures.	
	Ordinary.	Extra-ordinary.		Ordinary	Extra-ordinary.
9.1 Interest Upon Funds on Deposit:					
Interest on Bank Deposits..	$3,129 37	.....	.....	.....	.....
9.2 Interest Upon Delinquent Taxes, etc.:					
Interest on Sewer Assessm'ts	12 24	.....	.....	.....	.....
Interest on Sidewalk Ass'ts..	138 93	.....	.....	.....	.....
Interest on Overdue Taxes...	9,708 31	.....	.....	.....	.....
Interest on Betterments.....	.....	.....	.....	.....	.....
9.3 Payment of Interest Upon Debt:					
Upon Funded Debt.....	368 11	.....	$193,138 55	$192,734 75	.....
Upon Temporary Tax Loans	.....	.....	13,800 00	13,794 10	.....
Upon Park Loans.....	9 45	.....	56,640 00	56,620 00	.....
Upon Water Loans.....	144 67	.....	157,000 00	150,165 25	.....
9.4 Miscellaneous Interest:					
Interest on Trust Funds....	.....	.....	1,500 00	1,500 00	.....
Total Interest.....	$13,511 08			$414,814 10	

SCHEDULE A–IV.—*Continued.*

10. TAXATION.

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary.
10.1 Real Property Taxes:					
Taxes, 1907	$1272,338 28				
Other Years	438,776 26				
Abatements, etc				$57,445 45	
Refund of Excess Taxes				5,906 89	
Invalid Tax Titles					
	$1711,114 54			$63,352 34	
10.2 Personal Property Taxes:					
(Taxes on Personal Prop'ty)	288,893 48				
10.3 Poll Taxes	$23,024 00				
10.4 Other Taxes (except Franchise Taxes):					
Corporation Tax	$86,699 40				
Bank Tax	18,379 69			4,471 40	
Excise Tax, Refunds				1 24	
Street Railway Tax	77,445 10				
	$182,524 19			$4,472 64	
10.5 Liquor Licenses	58 00			14 50	
10.6 Other Licenses:					
Auctioneers'	38 00				
Fireworks	80 00				
Intelligence Offices	54 00				
Junk Collectors'	1,016 00				
Marriage	646 00				
Milk	150 00				
Minors'	218 00			33 00	
Dogs	5,439 03				
Plumbers'	46 50				
Hawkers'	275 00				
Butterine	3 50				
Pool, Billiard and Bowling Alley	96 00				
Pedlers'	138 50				
Itinerant Vendor	20 00				
Wagon, Car'ge and Drivers	380 00				
Small Loan and Pawnbrokers	145 00				
Private Detective	10 00				
Vaudeville Entertainment	40 00				
	$8,853 53				
10.7 Franchise Taxes (Ordinary):					
10.8 Franchise Rights (Extraordinary):					
10.9 Miscellaneous:					
Lien Account Tax				40 57	
State Tax				122,720 00	
County Tax				108,266 83	
Armory Tax				10.292 04	
Grade Crossing Tax				12,572 00	
				253,891 44	
Total Taxation	$2214,409 74			$321,763 92	

SCHEDULE A–IV.—*Continued.*

11. SPECIAL ASSESSMENTS.

	Receipts.		Appropriations.	Expenditures.	
	Ordinary.	Extraordinary.		Ordinary.	Extraordinary
11.1 Assessments for Laying Out, Opening and Widening Streets:					
Betterments—Streets	.....	$463 85	.....	.....	.....
11.2 Assessments for Paving Streets:					
11.3 Assessments for Sidewalks:	.....	22,222 48	.....	.....	.....
11.4 Assessments for Street Cleaning:					
11.5 Assessments for Street Sprinkling	$29,891 72	.....	.....	.....	.....
11.6 Assessments for Street Lighting					
11.7 Assessments for Garbage Collection, etc.:					
11.8 Assessments for Sewers	.....	2,790 89	.....	.....	.....
11.9 Assessments for Parks:					
11.10 Other Special Assessments:					
Moth Extermination	4,085 91	.....	.....	.....	.....
Total Special Assessments	$33.977 63	$25,477 22			

GRAND TOTALS OF SCHEDULE A-iv	$2,734,923 21	$444,531 93		$2,890,877 86	$448,814 33

SCHEDULE A–v.

TRUST FUNDS, ETC.

Capital Account Transactions.

Funds.	Receipts.	Expenditures.
Cemetery Fund	$2,490 50	$2,490 50

Income Account Transactions: None.

Grand Total Income and Capital Transactions of Trust Funds, Etc. (per Schedule A–ii)	$2,490 50	$2.490 50

SCHEDULE A–VI.

TEMPORARY ACCOUNTS.

	Receipts.	Expenditures.
1. **Temporary Tax Loans**	$700,000 00	$700,000 00
2. **Transfers**	6,474 39	6,474 39
3. **Payments from Sinking Funds Into Treasury and from Treasury to Redeem Matured Bonds**	182,500 00	182,500 00
4. **Rebates and Refunds***	70,613 06	70,613 06
Total Temporary Accounts (per Schedule A–II-)	$959,587 45	$959,587 45

*Included under 5.1, 10.1, etc.

SCHEDULE A–VII.

A Table of Ordinary Expenditures from 1903 to 1907 (inclusive).

	1903.	1904.	1905.	1906.	1907.
1.1 **Mayor's Department**	$5,740 92	$5,894 15	$5,990 00	$6,084 74	$6,179 76
1.2 **Councils:**					
City Messenger's Department	1,644 24	1,759 31	1,980 00	2,160 89	2,379 85
Clerk of Committees	3,657 87	3,727 50	3,649 94	3,784 19	4,201 95
City Council Expenses	5,385 81	4,738 85	8,887 98	6,041 29	5,493 09
City Clerk's Department	7,594 68	8,234 71	8,425 84	8,699 63	8,900 87
	$18,282 60	$18,460 37	$22,943 76	$20,686 00	$20,975 76
1.3 **Law Department**	4,995 00	4,963 17	4,800 00	4,857 31	5,331 29
1.4 **Finance:**					
Auditing Department	4,046 72	4,278 75	4,162 50	4,300 00	4,299 52
Assessors' Department	13,983 51	16,107 64	15,791 84	15,150 96	15,599 99
Treasurer's (and Collector)	14,943 23	16,045 63	17,456 67	16,699 01	19,076 33
Sinking Fund Officials	405 00	365 00	365 00	341 00	325 00
	$33,378 46	$36,797 02	$37,776 01	$36,490 97	$39,300 84
1.5 **Elections.**					
Election Expenses, City Cl'rk	6,422 06	9,693 28	8,857 05	10,199 60	11,287 59
" Registr's of Vot'rs	3,895 05	4,453 08	4,188 70	4,599 38	4,488 29
" Sup't B'ld'gs	1,699 68	2,393 75	2,393 27	4,099 59	3,191 37
	$12,016 79	$16,540 11	$15,439 02	$18,898 57	$18,967 25
1.6 **City Hall:**					
City Building Account	15,725 58	24,650 36	20,746 68	19,578 55	25,558 50
1.7 **Miscellaneous:**					
Postage and Stat'ry, Mes'g'r	1,085 11	1,399 63	1,698 44	1,699 96	1,688 31
Miscellaneous	3,970 00	.....	.....	.....	.....
	$5,055 11	$1,399 63	$1,698 44	$1,699 96	$1 688 31
Total General Government	$95,194 46	$108,704 81	$109,393 91	$108,296 10	$118,001 71
2.1 **Police Department**	$134,968 00	$143,271 60	$152,417 52	$156,330 06	$166,389 41
2.2 **Fire Department:**					
Salaries and Gen'l Expenses	94,521 98	96,515 55	114,498 01	115,456 32	123,739 24
2.2a **Fire and Police Telegraph:**					
Electrical Dept.—Wire Acc't	9,494 12	13,460 41	13,403 00	13,222 24	13,358 82
2.4 **Health Department:**					
Salaries and Gen'l Expenses	20,51 27	21,143 36	20,166 69	20,560 98	29,911 64
Small-pox Hospital	9,630 89	870 82	848 48	290 79	.....
Diphtheria Hospital	8,163 64	8,194 22	8,139 61	8,592 73	8,521 99
Insp'ct'r of Milk and Vineg'r	1,599 85	1,661 72	2,139 49	1,999 70	2,001 47
Modified Milk	.....	.....	.....	1,338 37	1,190 53
Inspector of Animals	794 25	769 64	773 40	799 19	886 14
	$40,698 90	$32,639 76	$32,067 67	$33,581 76	$42,511 77
2.6 **Inspectors:**					
Superintendent of Buildings	6,104 73	6,718 96	6,930 69	6,995 86	6,998 81
Plumbers' Examiners Dept.	86 00	87 80	72 92	148 68	119 93
Sealer of W'ts and Measures	2,477 11	2,274 77	2,513 18	2,747 43	2,762 86
Removal of City Scales	.....	.....	.....	.....	510 34
	$8,667 84	$9,081 53	$9,516 79	$9,891 97	$10,391 94
2.7 **Militia and Armories:**					
Armory, Beech St	97 58	124 81	.....	.....	.....
Rifle Range	326 73	543 50	606 51	692 07	1,016 00
Car Tickets to and from Rifle Range	298 86	299 31	643 49	649 88	462 50
	$723 17	$967 62	$1,250 00	$1,341 95	$1,478 50
Total Public Safety. (Protection Life. Health and Property)	$289,074 01	295,936 47	$323,152 99	$329,824 30	$357,869 68

SCHEDULE A–VII.— *Continued.*

	1903.	1904.	1905.	1906.	1907.
3.1 Hospitals	.....	.....	$1,748 72	$1,599 90	$1,599 71
3.2 Insane:					
Oustide Aid—Care of Insane	$26,528 23	$8,112 24	27 39	.....	2,638 94
3.4 Almshouses:					
City Farm	5,012 41	4,957 25	4,977 69	4,974 85	4,979 24
City Home	19,276 44	19,293 11	19,986 76	19,738 88	19,504 55
	$24,288 85	$24,250 36	$24,964 45	$24,713 73	$24,483 79
3.5 Out-Door Relief.					
Salaries	3,178 78	2,755 00	2,748 75	2,742 50	3,560 00
General Expenses (less care of Insane)	13,440 69	14,496 14	13,970 64	17,980 46	18,174 63
City Physician	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00
	$18,119 47	$18,751 14	$18,219 39	$22,222 96	$23,234 63
3.9 Miscellaneous.					
State Aid—Soldiers' Relief	24,993 30	25,657 32	26,846 05	27,278 39	30,377 74
Total Public Charity and Correction	$93,929 85	$76.771 06	$71,806 00	$75,814 98	$82,334 81
4.1 Administration:					
Engineering Department	$9,844 41	$9,624 92	$9,164 38	$9,595 31	$9,581 82
Salaries—Superintendent of Streets and Clerks	4,100 00	4,237 34	4,482 52	6,170 00	6,273 00
	$13,944 41	$13,862 26	$13,646 90	$15,765 31	$15,854 82
4.2 Opening, Grading and Widening Streets:					
Grade Crossings	.....	.....	.....	50 00	.....
Board of Survey	96 50	174 00	114 18	171 57	174 73
4.3 Street Paving:					
Rebuilding Streets	14,317 30	56,467 84	52,394 28	39,292 45	97,573 89
Maintenance	64,977 82	69,993 13	69,995 34	69,196 97	64,875 53
Crossings	.....	.....	.....	.....	2,662 27
	$79,295 12	$126,460 97	$122,389 62	$108,489 42	$165,111 69
4.4 Sidewalks:					
Repairs	10,000 00	9,997 18	.....	9,535 78	5,494 80
4.5 Street Lighting:					
Electrical Dept.—St. Light'g	75,176 66	76,787 97	78,578 77	79,426 11	79,693 32
4.6 Street Cleaning:					
Street Cleaning Division	29,069 88	30,999 43	30,997 92	33,961 86	36,984 62
4.7 Snow Removal	5,925 75	17,999 07	16,498 10	5,987 62	8,997 32
4.8 Street Sprinkling:					
Street Watering	27,902 12	28,000 00	28 000 00	28.558 14	31,291 10
4.9 Refuse Collection and Disposal:					
Overseers of Poor—House Offal	30,848 01	31,011 64	33,635 00	33,200 00	35,985 15
Collection of Ashes	28,797 78	32,096 98	32,499 23	33 686 46	37,458 48
	$59,645 79	$63,108 62	$66,134 23	$66,886 46	$73,443 63
4.10 Sewers and Sewage Disposal:					
Sewer Dept.—Maintenance	20 672 52	17,520 11	17,652 59	18,602 65	19,469 20
Metropolitan Sewer Tax	79,836 65	86,891 58	89,341 00	84,895 57	64,323 01
	$100,509 17	$104,411 69	$106,993 59	$103,498 22	$83,792 21
4.12 Bridges:					
Boston Bridges	16,856 21	16 794 63	15,858 61	17,079 80	11,891 38
Bridges—Street Department	3 200 00	3,097 77	5,897 86	4,319 32	7,537 26
	$20,056 21	$19,892 40	$21,756 47	$21,399 12	$19,428 64
4.13 Miscellaneous:					
Damages to persons and personal property	3,637 85	1,487 93	1,739 25	2,438 17	1,851 00
Civil Service Department	245 05	244 87	250 00	349 52	348 60
	$3,882 90	$1,732 80	$1,989 25	$2,787 69	$2,199 60
Total Public Highways and Sanitation	$425,504 51	$493,426 39	$487,099 03	$476,519 30	$522,466 48

SCHEDULE A—VII.—*Continued.*

	1903.	1904.	1905.	1906.	1907.
5.1 Water Works:					
Maintenance	$64,289 51	$97,845 40	$103,043 80	$73,583 31	$75,764 72
Refunds and Abatements	6,925 51	7,291 63	4,764 40	4,710 37	7,260 72
	$71,215 02	$105,137 03	$107,808 20	$78,293 68	$83,025 44
5.2 Cemeteries and Crematories:					
Salaries and Gen'l Expenses	16,573 12	18,078 82	17,992 08	19,764 45	19,846 00
Total Municipal Enterprises	$87,788 14	$123,215 85	$125,800 28	$98,058 13	$102,871 44
6.1 Schools:					
Salaries: Janitors and others	$34,999 25	$36,739 11	$37,459 55	$40,497 75	$42,917 44
General Expenses	47,421 10	57,590 75	51,470 44	49,999 95	54,249 65
Care of Truants	1,786 22	2,184 43	1,888 26	1,693 18	3,278 68
Flags	99 28	105 60	71 95	44 85	32 40
Incidentals	1,603 93	1,942 32	1,586 16	1,516 54	2,899 64
Salaries, T'ch'rs and Offic'rs	357,291 30	365,035 39	376,264 39	389,048 52	394,999 00
Text Books and Supplies	15,884 86	28,538 27	22,276 20	19,885 63	28,249 57
Transportation	309 00	321 00	368 00	348 00	222 00
Vacation Schools	.....	1,957 43	1,679 64	1,801 27	1,913 39
	$459,394 94	$494,414 30	$493,064 59	$504,835 69	$528,761 77
6.2 Libraries:					
Main Library	17,965 25	18,690 93	20,698 39	21,713 90	21,499 09
East Cambridge Branch	2,395 26	1,799 09	1,879 38	1,890 45	2,039 25
North Cambridge Branch	.....	.....	.....	2,725 45	2,598 46
	$20,360 51	$20,490 02	$22,577 77	$26,329 80	$26,136 80
Total Public Education, Libraries, etc	$479,755 45	$514,904 32	$535,642 36	$531,165 49	$554,898 57
7.2 Parks:					
Metropolitan Park Tax	$34,541 40	$38,064 53	$39,570 87	$47,502 47	$51,181 40
Commons, Squares and Public Grounds	4,997 16	4,999 90	4,999 70	6,250 00	5,299 61
Cambridge Field and Shelter	4,499 79	5,399 14	5,999 54	6,189 95	5,999 89
General Account	518 13	599 99	598 80	2,099 96	1,399 59
Salaries	.....	.....	.....	.....	2,144 00
Sections A, B, D, F and Rindge Field	2,979 33	2,699 71	3,499 81	4,747 05	5,799 31
B. T. Moth Extermination	3,639 13	6,699 57	11,324 05	13,994 63	8,999 67
Sections G and H	3,280 84	3,298 10	3,499 67	2,499 66	1,999 77
Shade Trees	4,949 81	4,999 70	4,999 23	6,499 55	4,999 92
Shelter at Rindge Field	.....	.....	.....	109 66	.....
Gymnasium at Rindge Field	.....	.....	.....	500 00	.....
Schoolhouse Grounds	.....	.....	.....	199 93	.....
Sand Gardens	.....	.....	.....	.....	199 79
	$59,435 59	$66,760 64	$74,491 67	$90,592 86	$88,022 95
7.3 Baths:					
Park Dept., Maintenance	2,193 95	1,696 30	2,271 04	2,299 90	2,299 56
7.4 Celebrations:					
Independence Day	1,465 44	1,692 40	1,629 63	1,660 79	1,627 33
Labor Day	400 00	400 00	399 84	399 97	399 65
Memorial Day	1,100 00	1,100 00	1,100 00	1,100 00	1,100 00
Miscellaneous	39 00	.....	.....	.....	.....
Old Home Week	.....	.....	.....	.....	491 00
	$3,004 44	$3,192 40	$3,129 47	$3,160 76	$3,617 98
Total Public Recreation	$69,975 07	$71,649 34	$79,892 18	$96,053 52	$93,940 49

SCHEDULE A–VII.—*Concluded.*

	1903.	1904.	1905.	1906.	1907.
8.2 Payments to Sinking Funds.					
Park	$23,318 67	$22,973 33	$23,386 67	$24,120 00	$24,453 33
Cambridge Bridge	6,000 00	8,000 00	14,000 00	17,333 33	19,333 33
Cambridge Bridge Special	.....	.....	616 00	616 00	616 00
Clay Lands	5,335 00	5,335 00	5,335 00	5,335 00	5,335 00
General	107,067 75	104,408 25	99,804 50	98,962 00	105,520 38
Harvard Bridge	8,800 00	8,800 00	8,800 00	8,800 00	8,800 00
Improved Sewerage	5,764 00	6,644 00	7,678 00	8,778 00	9,878 00
Separate System of Drain'ge	.....	.....	550 00	1,100 00	1,100 00
Water	123,145 78	121,522 50	121,522 50	126,871 49	132,143 62
Hospital	225 00	225 00	225 00	225 00	225 00
Metropolitan Park Assessm't	.....	1,012 00	1,012 00	1,012 00	1,012 00
Brookline Bridge	.....	.....	.....	.....	333 33
Commercial Ave. Bridge	.....	.....	.....	.....	666 67
	$279,656 20	$278,920 08	$282,929 67	$293,152 82	$319,416 66
8.3 Direct Payment of Matured Debt: (Not from sinking funds, but from tax levy direct)	.....	51,000 00	.....	12,500 00	12,500 00
Total Transactions Concerning Public Debt	$279,656 20	$329,920 08	$282,929 64	$305,652 82	$321,916 66
9.3 Payment of Interest Upon Debt:					
Upon Funded Debt	$166,166 50	$167,736 50	$172,343 13	$173,562 25	$192,734 75
Upon Temporary Tax Loans	9,388 13	8,548 37	8,187 70	9,314 60	13,794 10
Upon Park Loans	50,535 00	52,610 00	54,210 00	55,392 50	56,620 00
Upon Water Loans	128,806 50	126,126 50	135,506 50	143,827 75	150,165 25
	$354,896 13	$355,021 37	$370,247 33	$382,097 10	$413,314 10
9.4 Miscellaneous Interest: Interest on Trust Funds	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00
Total Interest	$356,396 13	$356,521 37	$371,747 33	$383,597 10	$414,814 10
10.1 Real, Personal and Poll Taxes:					
Abatements, etc	$38,410 77	$46,771 14	$41,106 18	$53,104 79	$57,445 45
Refund of Excess Taxes	2,990 09	8,486 96	7,486 18	8,366 94	5,906 89
Invalid Tax Titles	124 47	110 44	274 37	57 06	.....
	$41,525 33	$55,368 54	$48,866 73	$61,528 79	$63,352 34
10.4 Other Taxes (except Franchise Taxes):					
Bank Tax	6,740 92	6,650 66	4,459 99	4,351 35	4,471 40
Excise Tax, Refunds	.....	.....	.....	278 43	1 24
10.5 Liquor Licenses	15 25	14 75	15 00	13 75	14 50
10.6 Other Licenses:					
Minor's License Refunds	.....	.....	.....	.....	33 00
10.9 Miscellaneous:					
Lien Account Tax	37 30	44 01	316 15	3,995 10	40 57
State Tax	79,700 00	80,775 00	129,240 00	113,085 00	122,720 00
County Tax	104,400 56	109,201 21	106,119 75	112,483 29	108,266 83
Armory Tax	9,766 68	10,445 68	10,348 61	10,378 35	10,292 04
Charles River Dam	.....	28,000 00	.....	.....	.....
Grade Crossing	.....	7,977 69	9,330 14	12,536 94	12,572 00
	$193,904 54	$236,443 59	$253,354 65	$252,478 68	$253,891 44
Total Taxation	$242,186 04	$298,477 54	$308,696 37	$318,651 00	$321,763 92

RECAPITULATION.

ORDINARY.	1903 Expenditures.	1904 Expenditures.	1905 Expenditures.	1906 Expenditures.	1907 Expenditures.
General Administration	$95,194 46	$108,704 81	$109,393 91	$108,296 10	$118,001 71
Public Safety. (Protection of Life, Health and Property)	305,647 13	314,015 29	341,145 07	336,264 30	357,869 68
Public Charity	93,929 85	76,771 06	71,806 00	75,814 98	82,334 81
Public Highways and Sanitation	425,504 51	493,426 39	487,099 03	476,517 30	522,466 48
Municipal Enterprises	71,215 02	105,137 03	107,808 20	98,058 13	102,871 44
Public Education, Libraries, etc.	479,755 45	514,904 32	515,642 36	531,165 49	554,898 57
Public Recreation	64,975 07	71,649 34	79,892 18	96,053 52	93,940 49
Public Indebtedness. (Transactions during the year)	279,656 20	329,920 08	282,929 67	305,652 82	321,916 66
Public Interest	356,396 13	356,521 37	371,747 33	383,597 10	414,814 10
Public Taxation	242,186 04	298,477 54	308,696 37	318,651 00	321,763 92
Special Assessments. (Street Betterments, etc.)					
Unclassified					
Total of Ordinary Expenditures.	$2,414,459 86	$2,669,527 23	$2,676,160 12	$2,730,070 74	$2,890,877 86

EXTRAORDINARY.	1903 Expenditures.	1904 Expenditures.	1905 Expenditures.	1906 Expenditures.	1907 Expenditures.
General Administration					
Public Safety. (Protection of Life, Health and Property)	$2,815 00	$17,657 54	$12,602 13	$10,816 50	
Public Charity					
Public Highways and Sanitation	292,623 20	584,787 79	437,726 27	484,137 69	$291,691 41
Municipal Enterprises	26,353 55	21,851 98	251,232 57	318,460 76	84,181 41
Public Education, Libraries, etc.	111,131 02	70,289 99	128,312 68	8,947 57	45,983 92
Public Recreation	54,547 05	25,576 13	50,467 17	14,721 78	26,957 59
Public Indebtedness. (Transactions during the year)					
Public Interest					
Public Taxation					
Special Assessments. (Street Betterments, etc.)					
Total of Extraordinary Expenditures	$487,469 82	$720,163 43	$880,340 82	$837,084 30	$448,814 33

TABLE OF EXTRAORDINARY EXPENSES FROM 1903 TO 1907 INCLUSIVE.

Paid in Most Cases from Proceeds of Loans Issued or Extraordinary Revenue.

	1903.	1904.	1905.	1906.	1907.
Alteration at Station 4				$7,000 00	
Detention Room, Brattle Sq				1,316 50	
Land for Engine House, Ward 10	$2,815 00	$17,622 54	$12,377 13		
Land for Hospital		35 00	225 00	2,500 00	
Land Damages	29,961 55	49,258 35	8,244 71	5,049 10	$19,681 80
Street Construction	3,272 35	46,250 65	58,375 67	96,577 12	54,818 75
Edgestones and Sidewalks	29,998 82	29,999 13	31,480 36	29,997 49	26,494 54
Subway at Raymond St			882 00	6,445 47	
Incinerator Plant					386 09
Sewer Construction—					
General	27,156 29	49,555 00	19,840 12	14,866 56	15,225 24
Portland St. Sewer					25,387 16
Gate Chambers					2,831 50
Improved Sewerage	47,821 13	35,730 95	55,480 74	5,815 38	
Separate System of Drainage		19,551 26	23,195 32	50,744 10	19,229 69
Cambridge Bridge	154 129 10	354,442 45	240,227 35	253,126 36	106,926 72
Brookline Bridge Approach				21,516 11	1,851 91
Commercial Ave. Bridge					18,839 77
Soldiers' Field Bridge					18 24
Paving Harvard Bridge	283 96				
Water Works Construction	26,353 55	21,851 98	251,232 57	318,460 76	84,181 41
Addition to Roberts Schoolhouse			20,857 49	72 38	
Addition to Wellington Sch'lh'se				8,229 29	39,763 32
Land for Taylor Schoolhouse					2,500 00
New Sch'lh'se and Land, Fletcher	31,025 35	48,973 55			
New Schoolhouse, Washington	19,137 41	4,698 05			
New Schoolhouse, Kelley	59,980 67	789 87	88 92		
New Schoolhouse, Houghton		8,311 75	87,815 26	197 50	3,720 60
Addit'n and Equipm't of Rindge Manual Training School		7,144 98	19,551 01	448 40	
Addition to Public Library	987 59	371 79			
Park Construction	54,547 05	25,576 13	50,467 17	14,721 78	26,957 59
Total	$487,469 82	$720,163 43	$880,340 82	$837,084 30	$448,814 33

SCHEDULE A-VIII.

APPROPRIATIONS AND EXPENDITURES.

No. 1.

GENERAL ADMINISTRATION.

No. 1. GENERAL ADMINISTRATION.

MAYOR'S DEPARTMENT (1.1).

SALARIES.

Appropriation		$5,480 00
EXPENDED.		
For salaries of Mayors:—		
Chas. H. Thurston	$291 67	
Walter C. Wardwell	3,208 33	
	$3,500 00	
Clerk Edw. A. Counihan	1,200 00	
Stenographer, Georgie W. Sanborn	780 00	
Total		5,480 00

GENERAL EXPENSES.

Appropriation			$700 00
EXPENDED.			
For advertising:—			
Cambridge Chronicle	$14 00		
Cambridge Sentinel	4 00		
Cambridge Tribune	3 50		
Times Publishing Co.	3 50		
		$25 00	
Binding, Boston Bookbinding Co.		5 25	
Carriage hire:—			
Armstrong Trans. Express Co.	$3 00		
Boston Cab Co.	10 00		
Cummings Bros.	6 00		
Chas. W. Dailey	5 00		
Frank P. Merrill	128 50		
Fred D. Norton	29 00		
G. F. Whiting & Co.	8 50		
		190 00	
Car tickets:—			
Boston Elevated Railway Co.		5 00	
Directory, W. A. Greenough & Co.		4 00	
Expenses of trip to New York, to secure consulting engineer:—			
G. A. A. Pevey	$37 66		
Walter C. Wardwell	30 69		
		68 35	
Expressage:—			
Savage & Son		15	
Refreshments, G. H. Whippen		25 00	
Amounts carried forward		$322 75	$700 00

General Administration—Continued.

MAYOR'S DEPARTMENT, GENERAL EXPENSES.—Concluded.

Amounts brought forward		$322 75	$700 00
Reporting evening hearing:—			
G. W. Sanborn . . .		15 00	
Services as stenographer:—			
Helen L. Brady . . .		5 00	
Services, sending invitations to inaugural, J. H. Webber .		7 00	
Stationery, printing and office supplies:—			
Fred L. Beunke . . .	$2 60		
Cambridge Chronicle . .	1 50		
Cotton & Gould . . .	2 25		
J. A. Cummings' Printing Co.	21 18		
J. Frank Facey . . .	10 00		
Wm. H. Hazard . . .	10 90		
Samuel Ward Co. . . .	37 45		
Louis F. Weston . . .	3 75		
Postage and Stationery (transfer) . . .	79 17		
		168 80	
Subscriptions, Fred L. Beunke		6 00	
Telegrams, W. U. T. Co. . .		4 26	
Telephone service . . .		154 95	
Typewriter repairs . . .		16 00	
Total, including $79.17 transfers . . .			699 76
Surplus of appropriation relinquished to general treasury			$0 24

COUNCILS (1.2)

CITY MESSENGER'S DEPARTMENT.

SALARIES.

Appropriation			$2,010 00
EXPENDED.			
For salaries of:			
City Messenger, Frank T. Evans		$1,385 47	
Assistant, Wm. E. McAnaul .		624 00	
Total			2,009 47
Surplus of appropriation relinquished to general treasury			$0 53

GENERAL EXPENSES.

Appropriation			$375 00
EXPENDED.			
For car tickets:—			
Boston Elevated Railway Co.		$35 00	
Amounts carried forward		$35 00	$375 00

General Administration—Continued.

CITY MESSENGER'S DEPARTMENT, GENERAL EXPENSES—Concluded.

Amounts brought forward		$35 00	$375 00
Carriage hire:—			
G. F. Whiting & Co.		2 00	
Expressage:—			
Savage & Son	$9 85		
H. E. Sawin's Express	3 00		
Sundry persons	85		
		13 70	
Rent of post-office box		8 00	
Stationery, printing and office supplies:—			
Cambridge Chronicle	$4 25		
Postage and Stationery (transfer)	135 97		
		140 22	
Subscriptions:—			
Cambridge Chronicle	$2 50		
George E. French	8 85		
		11 35	
Telephone service		110 11	
Typewriter, Smith Premier Typewriter Co.		50 00	
Total, including $135.97 transfers			370 38
Surplus of appropriation relinquished to general treasury			$4 62

COUNCILS (1.2)

CLERK OF COMMITTEES' DEPARTMENT.

SALARIES.

Appropriation			$3,600 00
EXPENDED.			
For salaries of:—			
Clerk of Committees:—			
John McDuffie		$2,400 00	
Assistant, Eben W. Pike		900 00	
Services of stenographers and temporary clerks:—			
Helen L. Brady	$5 00		
Nellie B. Buckley	22 00		
Elizabeth M. Connell	377 10		
		404 10	
Total			3,704 10
Excess of expenditure over appropriation			$104 10
Amount carried forward			$104 10

General Administration—Continued.

CLERK OF COMMITTEES' DEPARTMENT, SALARIES.—Concluded.

Amount brought forward . .		$104 10
Additional appropriation .	$50 00	
Transfer from General Expenses	75 00	
		125 00
Balance relinquished to general treasury . .		$20 90

GENERAL EXPENSES.

Appropriation			$575 00
EXPENDED.			
For advertising:—			
Cambridge Chronicle . .	$53 50		
Cambridge Tribune . .	1 50		
Times Publishing Co. . .	9 50		
		$64 50	
Binding, David Farquhar . .		3 00	
Cabinet, Smith Premier Typewriter Co. . . .		23 50	
Directories:—			
W. A. Greenough & Co. .	$8 00		
Sampson & Murdock Co. .	6 00		
		14 00	
Expressage:—			
H. E. Sawin's Express . .		75	
"Massachusetts Year Book," F. S. Blanchard & Co. .		2 00	
Stationery, printing and office supplies:—			
Cambridge Chronicle . .	$86 35		
Cotton & Gould	28 00		
Pneumatic Hand Stamp Co.	11 91		
Postage and Stationery (transfer)	91 44		
		217 70	
Subscriptions:—			
Cambridge Chronicle . .	$5 00		
Cambridge Sentinel . .	3 00		
		8 00	
Telephone service . . .		94 40	
Typewriter, Smith Premier Typewriter Co. . .		70 00	
Total, including $91.44 transfers			497 85
Surplus of appropriation			$77 15
Transfer from this appropriation to Salaries .			75 00
Balance relinquished to general treasury . .			$2 15

General Administration—Continued.

COUNCILS. (1.2)

CITY COUNCIL EXPENSES.

Appropriation			$5,000 00
EXPENDED.			
For salaries of:—			
Clerk, Edw. A. Counihan .	$500 00		
Page, Wm. E. McAnaul .	100 00		
		$600 00	
Services of stenographer:—			
Elizabeth M. Connell . .		7 50	
Budgets and financial reports:—			
Caustic-Claflin Co. . .	$62 50		
J. A. Cummings Printing Co.	93 35		
J. Frank Facey . . .	15 00		
		170 85	
Car tickets:—			
Boston Elevated Railway Co.		200 00	
City documents:—			
Printing and binding:—			
J. A. Cummings Printing Co.	$1,529 06		
Engraving cuts of City Government:—			
C. J. Peters & Son Co. . .	60 00		
		1,589 06	
City Government manuals:—			
Printing and binding:—			
J. A. Cummings Printing Co.	$125 84		
Leather books, Boston Leather Binding Co. . . .	72 00		
		197 84	
Decorating City Hall, June 24, 1906:—			
New England Decorating Co.		50 00	
Engraving silver plate for mallet:—			
C. A. Twitchell & Co. . .		6 00	
Expenses in connection with conduits:—			
Services and expenses of consulting engineer:—			
Chas. E. Phelps, Jr. . .	$225 60		
Dinners, Riverbank Court Hotel Co. . . .	13 25		
		238 85	
Expenses for funeral of H. C. Stetson:—			
Special car, Boston Elevated Railway Co. . . .	$4 00		
Invitations:—			
Cambridge Chronicle . .	2 50		
		6 50	
Amounts carried forward . .		$3,066 60	$5,000 00

General Administration—Continued.

CITY COUNCIL EXPENSES.—Continued.

Amounts brought forward . .			$3,066 60	$5,000 00
Expenses of Building Law Commission:—				
Advertising:—				
Cambridge Chronicle	$4 00			
Cambridge Sentinel	3 20			
Cambridge Tribune	3 00			
		$10 20		
Car tickets:—				
Boston Elevated Railway Co.		5 00		
Printing, stationery, etc.:—				
Caustic-Claflin Co. . . .		206 60		
Typewriting and clerical assistance:—				
E. L. Marden		19 63		
			241 43	
Expenses of committees:—				
Carriage hire:—				
John J. Corkery .	$8 00			
Chas. W. Dailey .	28 00			
I. J. Goodhue . .	6 00			
John T. Lawton .	15 00			
Frank P. Merrill .	6 00			
Fred D. Norton .	54 00			
H. K. Parsons & Co.	25 00			
Daniel P. Shea .	20 00			
John J. Shea . .	10 00			
G. F. Whiting & Co.	35 00			
		$207 00		
Refreshments:—				
Riverbank Court Hotel Co. . .	$77 68			
Geo. H. Whippen .	140 25			
		217 93		
			424 93	
Expenses of Committee on Fire Dept. Investigation:—				
Advertising:—				
Cambridge Chronicle	$4 50			
Cambridge Sentinel	4 00			
Cambridge Tribune .	4 25			
		$12 75		
Carriage hire:—				
Chas. W. Dailey .	$6 00			
Frank P. Merrill .	6 00			
		12 00		
Cash expended for summons:—				
John McDuffie . . .		2 80		
Dinners, Riverbank Court Hotel Co. . . .		10 00		
Serving summons, John T. Lynch		4 96		
Amounts carried forward . .		$42 51	$3,732 96	$5,000 00

General Administration—Continued.

CITY COUNCIL EXPENSES.—Continued.

Amounts brought forward . .	$42 51	$3,732 96	$5,000 00
Services as stenographers:—			
Helen L. Brady . $75 46			
Elizabeth M. Connell 287 92			
	363 38		
		405 89	
Floral offerings for funerals:—			
C. G. H. Bennink . . .	$40 00		
Wm. E. Doyle . . .	25 00		
		65 00	
Inauguration expenses:—			
Carriage hire:—			
Frank P. Merrill . $9 00			
G. F. Whiting & Co. 6 00			
	$15 00		
Floral decorations, Wm. E. Doyle	50 00		
Invitations and envolopes, Cotton & Gould . .	73 75		
Programs, J. Frank Facey .	21 00		
Photographs, W. H. Lertora & Co.	32 00		
Postage, Postage and Stationery acc. (transfer) . .	14 00		
Use of chairs, Pettingill & Pear	12 00		
		217 75	
Lantern services at incinerator hearing:—			
A. T. Thompson & Co. . .		12 10	
Pratt Memorial service:—			
Floral decorations, Wm. E. Doyle	$14 00		
Programs, Cambridge Chronicle	7 50		
		21 50	
Russell memorial service:—			
Floral decorations, Wm. E. Doyle	$27 50		
Lettering tablet, J. L. P. Ackers	2 50		
Moving clock, T. M. Kenney .	1 00		
Moving desks and chairs:—			
W. H. Norris . . .	7 00		
Picture reflector:—			
Wheeler Reflector Co. . .	4 00		
Programs:—			
Cambridge Chronicle . .	12 50		
Services of soloist:—			
John B. Whoriskey . .	5 00		
Services of stenographer:—			
Elizabeth M. Connell . .	3 75		
Amounts carried forward . .	$63 25	$4,455 20	$5,000 00

General Administration—Continued.

CITY COUNCIL EXPENSES—Continued.

Amounts brought forward . .	$63 25	$4,455 20	$5,000 00
Teaming, P. Biggin . .	7 00		
Use of chairs, Pettingill & Pear	12 00		
		82 25	
Ringing bells on holidays:—			
Sundry persons as per pay-roll		56 00	
Sundry expenses . . .		4 75	
Expenses of City Clerk:—			
Advertising:—			
Cambridge Chronicle $58 75			
Cambridge Free Press . . 6 00			
Cambridge Sentinel Pub. Co. . . 35 25			
Cambridge Tribune 34 25			
Times Pub. Co. . 47 50			
	181 75		
Binding:—			
The College Bindery . .	8 00		
Books:—			
Little, Brown & Co. $4 50			
William J. Nagel . 5 00			
West Pub. Co. . 13 00			
	22 50		
Calendars:—			
Cambridge Chronicle . . . $61 00			
J. Frank Facey . 135 75			
	196 75		
Clerical services:—			
Elizabeth M. Connell $1 80			
Margaret A. Dayton 3 50			
	5 30		
Engrossing certificates of election, resolutions, etc.:—			
Frank L. Wells . . .	85 00		
Memorandum cases, Boston Bookbinding Co. . .	75		
Posting notices, J. E. Lennon	13 50		
Posting notices of civil service examinations:—			
Fred E. Thyng . . .	37 00		
Printing:—			
Cambridge Chronicle . . . $136 00			
Caustic-Claflin Co. . 2 75			
J. A. Cummings Printing Co. . 46 64			
J. Frank Facey . 103 50			
Edw. W. Wheeler . 40 75			
	329 64		
Amounts carried forward . .	$880 19	$4,598 20	$5,000 00

General Administration—Continued.

CITY COUNCIL EXPENSES.—Concluded.

Amounts brought forward . .	$880 19	$4,598 20	$5,000 00
Record book, Cotton & Gould	8 75		
Serving notices, Wm. F. McCormick	5 95		
		894 89	
Total, including $14.00 transfers . .			5,493 09
Excess of expenditures over appropriation .			$493 09
Transfer to this appropriation from Contingent Fund			500 00
Balance relinquished to general treasury .			$6 91

COUNCILS. (1.2)

CITY CLERK'S DEPARTMENT.

SALARIES.

Appropriation			$6,700 00
EXPENDED.			
For salaries of:—			
City Clerk, Edw. J. Brandon	$3,300 00		
Asst. City Clerk, A. M. Pear	1,583 33		
		$4,883 33	
Clerical assistance:—			
Amanda R. Murray . .	$598 04		
Helen L. Brady . . .	662 17		
Margaret A. Dayton . .	386 25		
Elizabeth M. Connell . .	246 50		
Nellie B. Buckley . . .	9 88		
Anna E. Murphy . . .	23 00		
Mary A. Birmingham . .	43 50		
		1,969 34	
Total			6,852 67
Excess of expenditures over appropriation .			$152 67
Transfer to this appropriation from Contingent Fund			400 00
			$247 33
Transfer from this appropriation to General Expenses			150 00
Balance relinquished to general treasury . .			$97 33

General Administration—Continued.

CITY CLERK'S DEPARTMENT.—Continued.

GENERAL EXPENSES.

Appropriation $1,900 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For cemetery deeds .	$7 25
Certificates from record . .	153 00
Dog licenses . .	473 80
Liquor licenses .	58 00
Married women's certificates .	4 25
Mortgages, assignments of wages, etc. . . .	501 00
Recording lost article . . .	25
Witness fees . .	2 70
	$1,200 25

EXPENDED.

For advertising:—			
Cambridge Chronicle . .	$6 00		
Cambridge Tribune . .	5 50		
Cambridge Sentinel Pub. Co.	6 00		
Times Pub. Co. . . .	6 00		
		23 50	
Binding:—			
Boston Bookbinding Co. .	$64 26		
College Bindery . . .	23 70		
		87 96	
Books:—			
F. S. Blanchard & Co. . .	$2 50		
Little, Brown & Co. . .	2 25		
Wm. J. Nagel . . .	5 00		
		9 75	
Canvassing for births:—			
James H. Donnelly . .	$51 00		
Emile J. Grenier . . .	40 50		
Warren Ivers . . .	42 00		
James E. Lennon . . .	45 00		
Edw. H. McCarron . .	51 00		
Wm. F. McCormick . .	78 00		
Geo. H. Munroe . . .	45 00		
Patrick J. Murphy . . .	45 00		
Edw. J. Sweeney . . .	51 00		
Patrick J. White . . .	45 00		
Chas. J. Williams . . .	45 00		
		538 50	
Car tickets, Boston Elevated Railway Co. . . .		10 00	
Amounts carried forward . .		$669 71	$1,900 00

General Administration—Continued.

CITY CLERK'S DEPARTMENT, GENERAL EXPENSES.—Concluded.

Amounts brought forward . .		$669 71	$1,900 00
Directory:—			
W. A. Greenough & Co. . .		4 00	
Disinfectant:—			
Hubbard Germicide Co. . .		1 00	
Expressage, sundry persons .		2 20	
Keys, L. L. Phipps & Co. . .		3 00	
Lamps, H. F. Farrow & Co. .		4 00	
Posting and serving notices:—			
James E. Lennon . . .	$3 00		
Chas. F. Manning . . .	2 80		
Wm. F. McCormick . .	4 50		
		10 30	
Premium on bond:—			
Geo. H. Carrick . . .		12 00	
Recording documents:—			
E. O. Childs, register . .		25 47	
Reporting births:—			
Sundry physicians . . .		480 25	
Stationery, printing and office supplies:—			
Cambridge Chronicle . .	$15 50		
Caustic Claflin Co. . . .	8 75		
Cotton & Gould . . .	124 85		
J. A. Cummings Printing Co.	39 50		
J. Frank Facey . . .	79 25		
Edward W. S. Jones . .	9 25		
Henry M. Meek Publishing Co.	18 00		
Smith Premier Typewriter Co.	5 70		
Times Publishing Co. . .	44 20		
Louis F. Weston . . .	9 00		
Edw. W. Wheeler . . .	85 25		
Postage and Stationery account (transfer) . .	136 93		
		576 18	
Subscription:—			
Cambridge Chronicle . . .		2 50	
Telephone service . . .		60 08	
Verifying and obtaining facts for record:—			
W. F. McCormick . . .		197 51	
Total, including $136.93 transfers . .			2,048 20
Excess of expenditures over appropriation .			$148 20
Transfer to this appropriation from Salaries .			150 00
Balance relinquished to general treasury . .			$1 80

General Administration—Continued.

LAW DEPARTMENT. (1.3)

SALARIES.

Appropriation		$4,200 00
EXPENDED.		
For salaries of:—		
City Solicitor, G. A. A. Pevey	$3,500 00	
Stenographer, Charles M. N. Loveland	624 00	
Total		4,124 00
Surplus of appropriation transferred to general expenses		$76 00

GENERAL EXPENSES.

Appropriation			$900 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For legal advice and services of City Solicitor	$1,000 00		
EXPENDED.			
For attendance and services:—			
E. R. Felix		$10 00	
Carriage hire, T. W. Hillier		6 00	
Car tickets, Boston Elevated Railway Co.		75 00	
Cash expended, G. A. A. Pevey:—			
Office rent, Williams & Bangs	$312 50		
Photographs	4 46		
Entry fee	3 00		
Expenses, Spring case	7 59		
Expenses, Gunner case	7 55		
Expenses, Lyons case	13 72		
Expenses on account of conduit matter	5 50		
Serving notices, John F. Kelly, Treasurer	1 74		
Services of stenographers:—			
Helen Sampson	5 30		
Louise R. Mailey	6 00		
Services and expenses, George A. Silva	50 00		
Telephone services	79 00		
Witness fees	6 00		
Sundries	41 30		
		543 66	
Cash paid for making copies of report:—			
Wm. B. Durant		15 21	
Amounts carried forward		$649 87	$900 00

General Administration—Continued.

LAW DEPARTMENT, GENERAL EXPENSES.—Concluded.

Amounts brought forward . .		$649 87	$900 00
Directory:—			
Sampson & Murdock Co. . .		6 00	
Examination of wagon, and repairs:—			
Chas. Waugh & Co. . .		32 05	
Inspecting bicycle:—			
W. L. Potter.		5 00	
Law books and legislative documents:—			
Little, Brown & Co. . .	$48 00		
Wm. J. Nagel . . .	5 00		
		53 00	
Professional services:—			
Lewis L. Bryant, M.D. . .	$140 00		
F. M. Gilman, M.D. . .	5 00		
F. E. Lane, M.D. . . .	50 00		
A. Moll, M.D.	5 00		
Willard M. Putnam, M.D. .	25 00		
		225 00	
Photographs and photographic supplies:—			
W. B. Hunt & Co. . .	$5 15		
W. H. Lertora & Co. . .	12 50		
		$17 65	
Stenographic reports:—			
H. W. Gleason . . .	$8 00		
Bates Torrey . . .	9 75		
		17 75	
Services, Whitney & Son . .		5 00	
Services and expenses:—			
Henry C. Jones . . .		47 00	
Serving summonses:—			
J. Willard Jones . . .		5 88	
Stationery, printing and office supplies:—			
T. H. Ball	$15 20		
Francis A. Campbell . .	15 25		
Geo. E. Crosby Co. . .	36 00		
Postage and Stationery (transfer)	49 14		
		115 59	
Subscriptions:—			
The Banker and Tradesman .		10 00	
Use of car, Geo. H. Lowe Co.		12 50	
Witness fees, William Hill .		5 00	
Total, including $49.14 transfers . .			1,207 29
Excess of expenditures over appropriation .			$307 29
Transfer to this account from Contingent Fund		$237 05	
Transfer to this account from Salaries . .		76 00	
			313 05
Balance relinquished to general treasury . .			$5 76

General Administration—Continued.

FINANCE (1.4)

AUDITING DEPARTMENT.

SALARIES.

Appropriation		$4,000 00
EXPENDED.		
For salaries of—:		
City Auditor, Harry T. Upham	$2,500 00	
Clerks:—		
Mabel W. Hall	$800 00	
Mary A. McKenzie	700 00	
	$1,500 00	
Total		4,000 00

GENERAL EXPENSES.

Appropriation			$300 00
EXPENDED.			
For binding, J. H. H. McNamee Co.		$5 00	
Cleaning safe, Mrs. McGoldrick		2 00	
Shelves and files:—			
Art Metal Construction Co.		84 00	
Stationery, printing and office supplies:—			
J. Frank Facey	$73 00		
Globe-Wernicke Co.	5 70		
John H. Hezlitt	7 00		
Edw. W. S. Jones	15 50		
Pneumatic Hand Stamp Co.	6 87		
Postage and Stationery (transfer)	32 20		
		140 27	
Subscriptions:—			
Cambridge Tribune	2 50		
Geo. E. French	2 50		
National Municipal League	5 00		
		10 00	
Sundries		5 95	
Telephone service		52 30	
Total, including $32.20 transfers			299 52
Surplus of appropriation relinquished to general treasury			$0 48

FINANCE (1.4)

ASSESSORS' DEPARTMENT.

SALARIES.

Appropriation	$12,500 00
Amount carried forward	$12,500 00

General Administration—Continued.

ASSESSORS' DEPARTMENT.—Continued.

SALARIES.

Amount brought forward			$12,500 00
	EXPENDED.		
For salaries of Assessors:—			
Jeremiah F. Donovan . .	$2,000 00		
Timothy W. Good . . .	2,000 00		
Daniel B. Shaughnessy . .	2,000 00		
		$6,000 00	
Assistant assessors:—			
James R. Boyd . . .	$175 00		
James Culhane . . .	175 00		
Thomas Gallagher . . .	175 00		
Emile J. Grenier . . .	175 00		
Warren H. Ivers . . .	175 00		
Daniel J. Kelleher . .	175 00		
Edward G. McBride . .	175 00		
Charles E. McCarthy . .	175 00		
George H. Munroe . . .	175 00		
Patrick J. White . . .	175 00		
Franklin H. Wright . .	175 00		
		1,925 00	
Clerks:—			
Carrie A. Estes . . .	$782 50		
Genevieve G. Hannon . .	435 00		
Kittie L. Magoun . . .	782 50		
Jessie I. R. Waterman . .	347 50		
Temporary clerks . . .	3,477 49		
		5,824 99	
Total			13,749 99
Excess of expenditures over appropriation .			$1,249 99
Additional appropriation			1,250 00
Balance relinquished to general treasury . .			$0 01

GENERAL EXPENSES.

Appropriation			$1,400 00
	EXPENDED.		
For advertising:—			
Cambridge Chronicle . .	$40 50		
Cambridge Sentinel . .	40 00		
		$80 50	
Car tickets:—			
Boston Elevated Railway Co. .		35 00	
Carriage hire:—			
T. W. Hillier . . .	$45 00		
F. R. Nickerson . . .	1 50		
		46 50	
Cash expended for sundries:—			
Kittie L. Magoun . . .		2 30	
Cleaning safe:—			
Thomas J. Denton . . .		5 00	
Amounts carried forward . .		$169 30	$1,400 00

General Administration—Continued.

ASSESSORS' DEPARTMENT, GENERAL EXPENSES.—Concluded.

Amounts brought forward . .		$169 30	$1,400 00
Directories:—			
W. A. Greenough & Co. .	$8 00		
Sampson & Murdock Co. .	6 00		
		14 00	
Document files:—			
Yawman & Erbe Mfg. Co. .		22 80	
Expressage:—			
Sundry persons . . .		3 70	
Lettering book covers:—			
Harvard Bookbindery . .		14 00	
Printing lists of polls:—			
Cambridge Chronicle . .		569 00	
Subscriptions:—			
The Banker and Tradesman .		5 00	
Stationery, printing and office supplies:—			
Cambridge Chronicle . .	$77 00		
Cotton & Gould . . .	130 15		
J. A. Cummings Printing Co.	10 50		
J. Frank Facey . . .	46 00		
Edw. W. S. Jones . . .	39 50		
Library Bureau . . .	152 52		
L. L. Phipps & Co. . .	1 60		
Pneumatic Hand Stamp Co.	10 92		
Postage and Stationery (transfer)	67 55		
The Twinlock Co. . . .	38 80		
Yawman & Erbe Mfg. Co. .	37 05		
		611 59	
Trays, trucks, etc.:—			
Library Bureau . . .	$70 75		
Yawman & Erbe Mfg. Co. .	2 70		
		73 45	
Telephone service . . .		91 33	
Total, including $67.55 transfers . . .			1,574 17
Excess of expenditures over appropriation .			$174 17
Additional appropriation		$150 00	
Transfer to this account from Assessors' Plans		24 17	
			$174 17

ASSESSORS' PLANS.

Appropriation	$300 00
EXPENDED.	
For services of engineers as per pay rolls . . $275 83	
Total	275 83
Surplus of appropriation	24 17
Transfer from this account to Assessors' Department, General Expenses	24 17

General Administration—Continued.

FINANCE (1.4)

TREASURY DEPARTMENT.

SALARIES.

Appropriation		$10,700 00

EXPENDED.

For salaries of:—			
City Treasurer:—			
Wm. W. Dallinger		$3,000 00	
Clerks:—			
Elbridge G. Stevens	$1,560 00		
Enoch J. Howlett	1,252 00		
J. Henry Webber	162 00		
Philip B. Dallinger	1,144 00		
Edw. W. Gaskill	760 00		
Elizabeth E. Estes	799 76		
Ella M. Chandler	714 00		
M. Alice Dow	728 00		
Temporary clerks	580 06		
		7,699 82	
Total			10,699 82
Surplus of appropriation relinquished to general treasury			$0 18

GENERAL EXPENSES.

Appropriation			$6,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

Tax sale:—			
Advertising	$659 51		
Descriptions	389 85		
Posting	331 50		
Recording	21 00		
Deeds	220 00		
Release fees	6 00		
Collection fee	7 00		
		1,634 86	
Taxes:—			
Summonses		1,960 00	
Services of City Treasurer in collection of water rates, etc., Water Department		1,500 00	
		$5,094 86	

EXPENDED.

For advertising estates to be sold for taxes:—			
Cambridge Chronicle		$527 85	
Amounts carried forward		$527 85	$6,000 00

General Administration—Continued.

TREASURY DEPARTMENT, GENERAL EXPENSES.—Continued.

Amounts brought forward . .		$527 85	$6,000 00
Attention to machine:—			
Burroughs Adding Machine Co.		6 00	
Binding, David Farquhar . .		1 50	
Bonds and coupons:—			
American Bank Note Co. .		85 50	
Cabinet, Geo. G. Page Box Co.		2 25	
Carriage hire for paymaster:—			
T. W. Hillier		581 00	
Commissions for collecting taxes:—			
Joseph Fox	$717 71		
Warren Ivers	1,185 51		
Thomas J. McGowan . .	1,048 00		
D. J. Moynahan . . .	970 67		
A. H. McKee	261 82		
		$4,183 71	
Directories:—			
W. A. Greenough & Co. .	$8 00		
Sampson & Murdock Co. .	6 00		
		14 00	
Keys, L. L. Phipps & Co. . .		75	
Massachusetts Year Book:—			
Geo. W. Butters . . .		2 00	
Numbering envelopes:—			
J. L. McIntosh . . .		13 75	
Premium on bond:—			
American Surety Co. . .		160 00	
Recording documents:—			
E. O. Childs, Register . .		23 15	
Repairing filing cases:—			
J. L. P. Ackers . . .		2 76	
Stationery and printing, postage and office supplies:—			
Boston Stencil and Stamp Works	$29 15		
Lyman B. Brooks . . .	98 00		
Burroughs Adding Machine Co.	1 20		
Caustic-Claflin Co. . . .	9 00		
Wm. H. Claflin & Co. . .	33 06		
Cotton & Gould . . .	33 75		
J. A. Cummings Printing Co.	11 97		
Edw. W. S. Jones . . .	1,004 87		
F. M. Small, Supt. . . .	990 01		
L. C. Smith & Bros. Typewriter Co.	1 50		
The University Press . .	12 00		
Louis F. Weston . . .	145 25		
Postage and Stationery (transfer)	257 28		
		2,627 04	
Subscriptions, Geo. E. French .		6 00	
Amounts carried forward . .		$8,237 26	$6,000 00

General Administration—Continued.

TREASURY DEPARTMENT, GENERAL EXPENSES.—Concluded.

Amounts brought forward . .	$8,237 26	$6,000 00
Telephone service . . .	139 25	
Total, including $257.28 transfers . . .		8,376 51
Excess of expenditures over appropriation .		$2,376 51
Additional appropriation		2,500 00
Balance relinquished to general treasury . .		$123 49

FINANCE (1.4)

SINKING FUND OFFICIALS.

Appropriation		$350 00
EXPENDED.		
For salaries of:—		
Treasurer, Wm. W. Dallinger . . .	$300 00	
Clerk, John McDuffie	25 00	
Total		325 00
Surplus of appropriation relinquished to general treasury		$25 00

ELECTIONS (1.5)

ELECTION EXPENSES, CITY CLERK.

Appropriation			$10,000 00
EXPENDED.			
For election officers . . .	$5,946 50		
Precinct men	360 00		
Special clerks	35 00		
		$6,341 50	
Janitor, John Good . .		22 50	
Clerks:—			
Mary A. Bermingham . .	$75 50		
Helen L. Brady . . .	56 00		
Nellie B. Buckley . . .	67 41		
Elizabeth M. Connell . .	39 88		
Margaret A. Dayton . .	72 67		
Anne Jacobs	35 00		
Ella A. Lothrop . . .	18 90		
Agnes Mackenzie . . .	33 50		
Mary Sullivan . . .	48 85		
		447 71	
Amounts carried forward . .		$6,811 71	$10,000 00

General Administration—Continued.

ELECTION EXPENSES, CITY CLERK—Continued.

Amounts brought forward . .		$6,811 71	$10,000 00
Automobile hire:—			
Harvard Automobile Co. .		17 50	
Advertising:—			
Cambridge Chronicle . .	$148 75		
Cambridge Mirror . . .	23 00		
Cambridge Sentinel Pub. Co.	146 50		
Cambridge Tribune . .	145 50		
Review Publishing Co. . .	79 00		
Times Publishing Co. . .	142 50		
		685 25	
Ballots:—			
J. A. Cummings Printing Co.	$970 49		
Caustic-Claflin Co. . . .	104 00		
The College Bindery . .	5 00		
J. Frank Facey . . .	214 50		
Edw. W. Wheeler . . .	84 75		
		1,378 74	
Barges, Wm. F. Colby . .		220 00	
Binding, College Bindery . .		3 25	
Boxes, Place Box Co. . .		9 50	
Car tickets:—			
Boston Elevated Railway Co.		15 00	
Carpentry, W. H. Norris . .		132 08	
Carriage hire:—			
John J. Donahue . . .	$5 00		
I. J. Goodhue . . .	3 00		
F. R. Nickerson . . .	4 00		
Soden Street Stable . .	3 00		
G. F. Whiting & Co. . .	3 00		
		18 00	
Cash expended for cab:—			
Edw. J. Brandon . . .		2 00	
Caucus books, Richard L. Gay		20 00	
Expressage and teaming:—			
P. Biggin	$36 00		
Sundry persons . . .	7 75		
		43 75	
Hardware and supplies:—			
E. T. Bynner	$6 09		
J. H. Corcoran . . .	3 12		
		9 21	
Keys, L. L. Phipps & Co. .		1 50	
Labor:—			
Thomas J. Denton . .	$45 77		
John C. Sweeney . . .	76 25		
		122 02	
Lighting at Cambridge Field Shelter:—			
Cambridge Electric Light Co.		15 52	
Lunches:—			
Oak Grove Dairy Lunch .	$1 75		
J. A. Cummings Printing Co.	12 00		
Amounts carried forward . .	$13 75	$9,505 03	$10,000 00

General Administration—Continued.

ELECTION EXPENSES, CITY CLERK—Concluded.

Amounts brought forward . .	$13 75	$9,505 03	$10,000 00
W. S. Sprague . . .	53 28		
		67 03	
Mounting lists:—			
J. H. H. McNamee Co. . .		43 50	
Posting and serving notices, etc.:—			
Geo. H. Munroe . . .	$21 00		
Wm. F. McCormick . .	10 00		
Fred E. Thyng . . .	47 00		
		78 00	
Preparing lists, precinct books and services:—			
Wm. F. McCormick . .		78 00	
Precinct plans:—			
Forbes Lithograph Mfg. Co. .		290 00	
Printing nomination papers:—			
J. Frank Facey . . .		174 50	
Printing:—			
Cambridge Chronicle . .	$44 50		
Cambridge Sentinel . .	3 00		
Caustic-Claflin Co. . . .	69 50		
J. A. Cummings Printing Co.	105 85		
J. Frank Facey . . .	126 90		
Times Publishing Co. . .	9 75		
Louis F. Weston . . .	11 75		
Edw. W. Wheeler . . .	111 25		
		482 50	
Rent of hall for election returns:—			
Malta Temple Association .		35 00	
Repairing ballot boxes:—			
Edgar Hall		127 12	
Signs and lettering:—			
Cambridge Sign Co. . .	$5 40		
Alfred Tirrell . . .	11 00		
Thomas Sweeney . . .	34 25		
		50 65	
Stamps, Boston Stencil and Stamp Works . . .		26 95	
Stationery, etc.:—			
Daniel J. Carroll . . .	$42 40		
Casey-Bigley Co. . . .	51 00		
Caustic-Claflin Co. . . .	24 25		
Cotton & Gould . . .	48 00		
J. Frank Facey . . .	5 50		
Postage and Stationery (transfer)	88 25		
		259 40	
Telephone service . . .		68 91	
Typewriter repairs, Smith Premier Typewriter Co. . .		1 00	
Total, including $88.25 transfers . . .			11,287 59
Excess of expenditure over appropriation . .			$1,287 59
Additional appropriation			1,287 59

General Administration—Continued.

ELECTIONS (1.5)

ELECTION EXPENSES, REGISTRARS OF VOTERS.

Appropriation		$4,000 00

EXPENDED.

For salaries of registrars of voters and clerk of board:—			
Peter P. Bleiler	$208 35		
J. Frank Facey	101 20		
Frederick W. Macdonald	398 80		
John P. McCormick	500 00		
Isaac S. Pear	600 00		
George W. Turnbull	291 65		
		$2,100 00	
Clerical assistance:—			
Ella A. Lothrop	$746 00		
Marion F. Lothrop	7 75		
		753 75	
Assistance at recount:—			
Thos. J. Conrick	$9 75		
Thos. J. Denton	7 42		
Jas. H. Donnelly	10 75		
William Earl	9 75		
John W. Garvin	9 75		
John R. Giles	5 00		
John H. Gleason	4 75		
Warren Ivers	10 75		
Clarence P. Kidder	4 75		
Chas. F. Lewis	9 75		
Ella A. Lothrop	11 00		
Geo. B. Lothrop	9 75		
Wm. J. Lynch	5 00		
Geo. H. Munroe	9 75		
Patrick J. Murphy	9 75		
Robert H. O'Neil	5 00		
Joseph J. Reed	9 75		
Harry J. Riley	9 75		
Edw. F. Wadden	9 75		
Chas. H. Wiggin	9 75		
Chas. J. Wood	4 75		
		176 42	
Advertising:—			
Cambridge Chronicle	$34 50		
Cambridge Sentinel	31 00		
Cambridge Tribune	31 50		
Times Publishing Co.	22 50		
		119 50	
Binding and mounting lists:—			
David Farquhar	$35 00		
J. H. H. McNamee Co.	10 00		
		45 00	
Carriage hire, F. R. Nickerson		19 50	
Amounts carried forward		$3,214 17	$4,000 00

General Administration—Continued.

ELECTION EXPENSES, REGISTRARS OF VOTERS—Concluded.

Amounts brought forward . .		$3,214 17	$4,000 00
Directory:—			
W. A. Greenough & Co. . .		4 00	
Office furniture, Library Bureau		27 50	
Placing and removing rails and list boards, etc.:—			
W. H. Norris		66 15	
Posting lists, notices, etc.:—			
Geo. H. Munroe . . .		37 50	
Repairing safe, The Mosler Safe Co.		13 25	
Stationery, printing and office supplies:—			
Cambridge Chronicle . .	$39 00		
Edw. W. S. Jones . . .	26 75		
Louis F. Weston . . .	1 75		
Postage and Stationery (transfer)	18 82		
		86 32	
Teaming:—			
P. Biggin		8 00	
Telephone service . . .		31 40	
Voting lists:—			
James W. Bean		1,000 00	
Total, including $18.82 transfers			4,488 29
Excess of expenditure over appropriation . .			$488 29
Transfer to this account from Contingent Fund			500 00
Balance relinquished to general treasury . .			$11 71

ELECTIONS (1.5)

ELECTION EXPENSES, SUPERINTENDENT OF BUILDINGS.

Appropriation			$2,200 00
EXPENDED.			
For advertising:—			
Cambridge Chronicle . .	$6 75		
Cambridge Sentinel . .	6 50		
		$13 25	
Contract for two portable voting booths, T. F. Haley . .		770 00	
Hardware and supplies:—			
E. T. Bynner	$55 78		
T. H. Kneeland . . .	15 98		
		71 76	
Amounts carried forward . .		$855 01	$2,200 00

General Administration—Continued.

ELECTION EXPENSES, SUPERINTENDENT OF BUILDINGS—Continued.

Amounts brought forward . .		$855 01	$2,200 00
Heating:—			
Brock Bros.	$4 05		
Consumers' Coal Co. . .	9 89		
Wm. H. O'Leary . . .	7 20		
		21 14	
Lighting:—			
Brock Bros.	$25 53		
Cambridge Electric Light Co.	1 08		
Clark & Mills Electric Co. .	1 32		
Ernest W. Clark . . .	13 50		
Geo. F. Dickson . . .	40 70		
S. D. Fallon	1 25		
		83 38	
Operating elevator at City Hall:—			
Edward F. Walsh . . .		4 00	
Preparing rooms for voting, and janitor service:—			
R. Abromson	$6 90		
W. R. Blackman . . .	12 12		
Ferdinand M. Buffum . .	18 00		
Thomas Bullock . . .	12 00		
John T. Bullock . . .	6 00		
Wm. Callahan . . .	29 49		
John F. Carr	18 00		
Jeremiah Collins . . .	12 00		
Patrick Cronin . . .	12 00		
James Cummiskey . . .	12 00		
Wm. W. Dale	6 00		
John S. Daly	8 05		
Arthur C. Day . . .	12 00		
John J. Donovan . . .	2 50		
James G. Doocey . . .	6 00		
Wm. Fitzgerald . . .	16 05		
Minor F. Hamlin . . .	12 00		
Thomas A. Hughes . .	12 00		
John S. Kenney . . .	12 24		
Dennis H. Long . . .	26 36		
Geo. A. Lord	6 00		
David D. Mahoney . .	12 00		
John McDonald . . .	18 00		
P. H. McDonough . . .	8 00		
John Mooney . . .	18 00		
William Murphy . . .	22 00		
William J. Myles . . .	28 41		
Wm. P. Purcell . . .	36 00		
T. R. Sheridan . . .	6 00		
Wm. G. Sheridan . . .	6 00		
John S. Southwick . .	18 00		
		430 12	
Rent:—			
R. Abromson	$15 00		
Brooks & Conley . . .	20 00		
Amounts carried forward . .	$35 00	$1,393 65	$2,200 00

General Administration—Continued.

ELECTION EXPENSES, SUPERINTENDENT OF BUILDINGS—Concluded.

Amounts brought forward . .	$35 00	$1,393 65	$2,200 00
Citizens' Trade Association .	25 00		
Harugari Association . .	105 00		
Chas. P. Keith . . .	25 00		
Wm. G. MacLeod . . .	10 00		
Mt. Sinai Building Association	85 00		
J. F. Noera	25 00		
John F. O'Brien . . .	110 00		
Odd Fellows' Hall Association	60 00		
St. John's Literary Institute	190 00		
Geo. G. Wright . . .	15 00		
Mrs. Sarah Quain . . .	50 00		
		735 00	
Screens, A. Alexander . .		6 00	
Setting up and removing booths and platforms:—			
C. H. Callahan & Son . .	$167 23		
W. Fillmore Co. . . .	8 96		
C. T. Grames . . .	44 65		
Timothy F. Haley . . .	149 96		
W. H. Norris	11 00		
Thomas Powers . . .	199 37		
John Quin & Son . . .	164 03		
		745 20	
Teaming booths, P. Biggin .		229 00	
Use of chairs, S. H. Harrington		3 00	
Voting booths and compartments:—			
D. K. Dinsmore . . .		79 52	
Total			3,191 37
Excess of expenditures over appropriation . .			$991 37
Additional appropriation			1,000 00
Balance relinquished to general treasury . .			$8 63

CITY HALL, ETC. (1.6).

SALARIES OF JANITORS AND OTHERS.

Appropriation		$9,500 00
EXPENDED.		
For salaries of employees at City Hall:—		
Janitor, Charles A. Gay .	$1,193 00	
Assistant Janitor, Jas. McVey	787 75	
Engineer, John Donelon .	936 68	
Fireman, G. W. Buzzell . .	806 87	
Fireman, Maurice Harrington	801 12	
Elevator-man, Edw. F. Walsh	704 75	
Amounts carried forward . .	$5,230 17	$9,500 00

General Administration—Continued.

CITY HALL, ETC.—Continued.

SALARIES OF JANITORS AND OTHERS—Concluded.

Amounts brought forward . .	$5,230 17		$9,500 00
Elevator-man, John J. Daly	20 25		
Cleaner, Nellie M. Carey .	469 50		
Cleaner, Mary Mannix . .	469 50		
Watchman, Michael F. Hoban	14 00		
Extra cleaners, sundry persons, as per pay-roll . .	324 40		
		6,527 82	
At Brattle Sq. Building:—			
Janitor, Peter Kelley . .	$834 29		
Fireman, John Casey . .	332 57		
Cleaner, Mary Miller . .	365 00		
		1,531 86	
At Central Sq. Building:—			
Janitor, Geo. W. Bates . .	$844 29		
Fireman, Silas Darling . .	284 00		
Cleaner, Annie Wright . .	185 71		
Cleaner, Margaret Gayner .	75 00		
		1,389 00	
At Police Station, No. 3:—			
Janitor, J. J. McCarthy . .		730 00	
At Police Station, No. 4:—			
Janitor, Thomas Doyle . .		730 00	
Total			10,908 68
Excess of expenditures over appropriation . .			$1,408 68
Additional appropriation			1,487 00
Balance relinquished to general treasury . .			$78 32

GENERAL EXPENSES.

Appropriation			$11,500 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For sale of old materials . . .	$116 02		
EXPENDED.			
For building and setting up bandstand:—			
D. K. Dinsmore . . .		$211 07	
Dues, Gas Consumers' Ass'n .		26 00	
Fuel:—			
Consumers' Coal Co. . .	$4,923 98		
P. F. Gayton & Co. . .	1 80		
		4,925 78	
Laundering towels:—			
Nellie M. Carey . . .	$66 18		
Mary Mannix	71 13		
		137 31	
Amounts carried forward . .		$5,300 16	$11,500 00

General Administration—Continued.

CITY HALL, ETC., GENERAL EXPENSES—Continued.

Amounts brought forward . .		$5,300 16	$11,500 00
Lighting:—			
Cambridge Electric Light Co.	$1,688 60		
Cambridge Gas Light Co. .	505 80		
		2,194 40	
For repairs to buildings:—			
Carpentry:—			
Chas. H. Callahan & Son .	$5 35		
W. Fillmore Co. . . .	3 24		
W. H. Norris	428 69		
Thomas Powers . . .	21 28		
John Quin & Son . . .	719 39		
		1,177 95	
Cleaning, John I. Carroll . .		16 00	
Elevator repairs:—			
Otis Elevator Co. . . .	$103 41		
H. J. Shaw	171 95		
		275 36	
Extra work on contract for alterations at Station 4:—			
John B. Byrne . . .		1,388 19	
Fire escape repairs:—			
Builders' Iron and Steel Co.		40 20	
Lumber, Wm. H. Wood & Co.		58 30	
Marble, soapstone and slate work:—			
Stearns & Waterman . .	$57 60		
Union Soapstone Co. . .	36 00		
		93 60	
Painting, glazing, etc.:—			
J. L. P. Ackers . . .	$593 33		
C. P. Alberts	15 72		
W. J. Edwards . . .	49 73		
M. A. Feeley	371 25		
Wm. J. Heron . . .	110 00		
J. Leo McDonald . . .	162 45		
		1,302 48	
Painting flagpole, Daniel Marr & Son		32 35	
Plaster work:—			
James J. Harrington . .	$64 08		
William J. Heron . . .	431 75		
		495 83	
Plumbing:—			
Brock Bros.	$57 87		
Ernest W. Clark . . .	26 88		
S. D. Fallon	35 32		
D. J. Keefe & Co. . . .	73 83		
J. T. Phelan	26 09		
Herbert L. Rose . . .	83 86		
W. H. Sweeney . . .	29 07		
		332 92	
Roof and gutter repairs:—			
John J. Blevins . . .	$11 01		
Amounts carried forward . .	$11 01	$12,707 74	$11,500 00

General Administration—Continued.

CITY HALL, ETC., GENERAL EXPENSES—Continued.

Amounts brought forward . .	$11 01	$12,707 74	$11,500 00
Wm. Gordon	41 77		
Howard F. Peak . . .	44 53		
		97 31	
Repairs to furniture and fixtures:—			
J. L. P. Ackers . . .	$9 41		
Grant & Co.	55 50		
Worcester Bros. . . .	29 95		
		94 86	
Repairs to heating apparatus:—			
John Delaney . . .	$168 33		
Wm. Fitzgerald & Co. . .	119 00		
Greene & Co.	182 53		
Huey Bros.	133 51		
Roberts Iron Works Co. .	214 00		
		817 37	
Repairs to lighting apparatus and electrical work:—			
Bryant & Co.	$158 44		
Clark & Mills Electric Co. .	2 25		
Geo. H. Buckminster & Co. .	6 00		
Thomas J. Daly . . .	59 05		
		225 74	
Repairing locks, Brock Bros. .		14 55	
Removing awnings, Worcester Bros.		4 50	
Repairing catch basin and drain in rear of City Hall:—			
Sundry persons as per pay-roll		22 92	
Supplies:—			
Ash cans:—			
Brock Bros.	$7 55		
E. T. Bynner	23 25		
		30 80	
Brooms, brushes, dusters, etc.:—			
E. T. Bynner		7 30	
Clock repairs:—			
E. Howard Clock Co. . .	$15 00		
T. M. Kenney	4 00		
		19 00	
Electric fan, Clark & Mills Electric Co.		10 00	
Furniture, furnishings and fixtures:—			
Worcester Bros. . . .		127 13	
Hardware, tools and supplies:—			
Brock Bros.	$27 47		
E. T. Bynner	24 32		
Cambridge Electric Light Co.	22 40		
Chandler & Barber . .	161 70		
Ernest W. Clark . . .	10 56		
J. H. Corcoran . . .	6 00		
Amounts carried forward . .	$252 45	$14,179 22	$11,500 00

General Administration—Continued.

CITY HALL, ETC., GENERAL EXPENSES—Concluded.

Amounts brought forward . .	$252 45	$14,179 22	$11,500 00
W. J. Edwards . . .	8 85		
Roberts Iron Works Co. .	14 66		
West Disinfecting Co. . .	2 50		
Sundry persons . . .	4 05		
		282 51	
Ice, Cambridge Ice Co. . .		87 37	
Oil, waste and boiler supplies:—			
Boston Engineers' Supply Co.		41 98	
Soap:—			
J. H. Corcoran . . .	$3 50		
West Disinfecting Co. . .	7 50		
		11 00	
Toilet paper, Geo. T. Johnson & Co.		20 25	
Use of table and chairs, Worcester Bros.		7 50	
Water coolers, Jordan & Marsh Co.		6 69	
Wax floor dressing, Victor Mfg. Co.		6 00	
Sundries		7 30	
Total			14,649 82
Excess of expenditures over appropriation . .			$3,149 82
Additional appropriation			3,150 00
Balance relinquished to general treasury . .			$0 18

SUMMARY.

EXPENDED.

For fuel	$4,925 78	
Lighting	2,194 40	
Repairs	6.490 43	
Supplies	664 83	
Sundries	374 38	
		$14,649 82

MISCELLANEOUS (1.7)

POSTAGE AND STATIONERY.

Appropriation		$1,700 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For supplies:—		
Assessors' Dept. .	$94 09	
Auditing Dept. .	36 91	
Cemetery Dept. .	63 03	
Amounts carried forward	$194 03	$1,700 00

General Administration—Continued.

POSTAGE AND STATIONERY—Continued.

Amounts brought forward	$194 03	$1,700 00
City Clerk's Dept.	136 93	
City Council	50 20	
City Messenger's Dept.	135 97	
Clerk of Committees' Dept.	78 68	
Election Expenses, City Clerk	67 40	
Election Expenses, Reg. of Voters	20 57	
Electrical Dept.	15 20	
Engineering Dept.	33 47	
Health Dept.	51 70	
Inspector of Milk and Vinegar	4 69	
Law Dept.	26 84	
Mayor's Dept.	86 72	
Old Home Week Committee	41 75	
Overseers of the Poor	74 00	
Park Dept.	53 02	
Police Dept.	53 02	
Public Library	112 00	
Sealer of Weights and Measures	5 98	
Sewer Dept.	21 65	
State Aid Dept.	23 54	
Street Dept.	129 77	
Supt. of Buildings	19 09	
Treasury Dept.	39 88	
Water Dept.	52 37	
	$1,528 47	

EXPENDED.

For postage, F. M. Small, Supt.		$1,050 00	
Stationery and office supplies:—			
Adams, Cushing & Foster	$3 36		
Fred L. Beunke	44 14		
J. J. Bradshaw & Co.	7 50		
Frank P. Bridges & Co.	12 00		
E. T. Bynner	2 70		
Cambridge Chronicle	7 50		
Carter's Ink Co.	8 00		
Wm. H. Claflin & Co.	16 91		
Cotton & Gould	458 18		
Globe Stamp Works	3 00		
National Mfg. Co.	8 00		
Geo. S. Saunders & Co.	18 22		
M. J. Shaffer & Co.	21 40		
Amounts carried forward	$610 91	$1,050 00	$1,700 00

General Administration—Concluded.

POSTAGE AND STATIONERY—Concluded.

Amounts brought forward . .	$610 91	$1,050 00	$1,700 00
Smith Premier Typewriter Co.	14 50		
F. S. Webster Co. . . .	4 50		
Sundry persons . . .	8 40		
		638 31	
Total			1,688 31
Surplus of appropriation relinquished to general treasury			$11 69

MISCELLANEOUS (1.7)

CONTINGENT FUND.

Appropriation		$12,000 00

Department Receipts Carried to General Treasury.

For costs of court . . .	$7 83
Refund of damages paid by city	40 00
	$47 83

EXPENDED.

Transfers from this appropriation:—		
City Clerk Dept., salaries .	$400 00	
City Council expenses . .	500 00	
Celebration, Old Home Week .	500 00	
Health Dept.	6,662 98	
Inspector of Milk and Vinegar	1 47	
Law Dept.	237 05	
Police Dept.	550 00	
Public Library	400 00	
Registrars of Voters . . .	500 00	
Sealer of Weights and Measures	150 00	
Street Lighting	1,350 00	
Total		11,251 50
Surplus of appropriation relinquished to general treasury		$748 50

SCHEDULE A-VIII.

APPROPRIATIONS AND EXPENDITURES.

No. 2.

PUBLIC SAFETY.

(PROTECTION OF LIFE, HEALTH AND PROPERTY)

2. PUBLIC SAFETY (Protection of Life, Health and Property).

POLICE DEPARTMENT (2.1)

SALARIES.

Appropriation			$159,000 00
EXPENDED.			
For salaries of:—			
Chief, Frederick B. Pullen		$2,500 00	
Deputy Chief, W. F. Batchelder		1,500 00	
Chief Inspector, P. J. Hurley		1,400 00	
Captains:—			
John J. McBride	$1,400 00		
James E. Murray	1,400 00		
John F. Murray	1,400 00		
		4,200 00	
Lieutenants		11,602 35	
Sergeants		10,796 50	
Patrolmen		102,502 50	
Reserve officers		10,799 00	
Drivers		5,587 50	
Matrons		787 50	
Pensioners:—			
Lothrop J. Cloyes	$1,000 00		
Mark J. Folsom	75 57		
Frederick Apel	556 50		
Edward F. Belcher	556 50		
John Coulter	556 50		
Michael A. Ginty	556 50		
Wm. H. Graves	547 50		
Henry C. Jones	556 50		
Charles C. Marston	547 50		
George Smyth	556 50		
		5,509 57	
Allowance of half-pay for sick leave		1,716 96	
Allowance on account of injuries		48 00	
Total			158,949 88
Surplus of appropriation			$50 12
Additional appropriation			150 00
Balance relinquished to general treasury			$200 12

GENERAL EXPENSES.

Appropriation		$6,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For cloth	$708 24	
Collars	18 10	
Court fines (2.3)	4,573 05	
Sale of horse	77 10	
Amounts carried forward	$5,376 49	$6,000 00

Public Safety—Continued.

POLICE DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward	$5,376 49		$6,000 00
Sale of old materials	46 40		
Services of officers	124 00		
Use of ambulance	2 50		
	$5,549 39		
EXPENDED.			
For auto signs (special appropriation):—			
W. B. Shay	$82 00		
F. Ivers & Son	9 85		
		$91 85	
Badges, belts, numbers, etc.:—			
Raphael Masstrangialo		12 10	
Bicycle repairs:—			
Columbia Bicycle Agency	$4 50		
W. L. Potter	102 35		
		106 85	
Books:—			
Boston Book Co.	$10 00		
Geo. W. Butters	2 00		
Wm. J. Nagel	5 00		
		17 00	
Car tickets, Boston Elevated Railway Co.		200 00	
Carriage hire:—			
Chas. W. Dailey	$2 50		
Geo. E. Francis	3 00		
G. F. Whiting & Co.	3 00		
		8 50	
Cash expended for food for prisoners:—			
John J. McBride	$4 21		
James E. Murray	26 82		
John F. Murray	11 20		
		42 23	
Cash expended for traveling expenses and sundries:—			
Patrick J. Hurley	$30 45		
John J. McBride	2 40		
James E. Murray	4 45		
John F. Murray	1 05		
Frederick B. Pullen	67 84		
Frederick A. Robinson	2 45		
		108 64	
Cleaning stations:—			
John J. McCarthy	$98 00		
Mary Miller	96 00		
Sarah A. Williams	120 00		
		314 00	
Amounts carried forward		$901 17	$6,000 00

Public Safety—Continued.

POLICE DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$901 17	$6,000 00
Cloth, buttons and trimmings for uniforms:—			
Hobbs & Warren Co. . .	$2 50		
M. Linsky & Bros. . . .	9 38		
Raphael Masstrangialo . .	47 95		
Oak Hall Clothing Co. . .	12 00		
S. Slater & Sons . . .	710 06		
Thomas W. Talcott . .	14 07		
Waterbury Button Co. . .	71 25		
		867 21	
Collars, O. Elliot Smith . .		22 10	
Cups, Dover Stamping and Mfg. Co.		12 00	
Directories:—			
W. A. Greenough & Co. .		24 00	
Disinfectant, insecticide, etc.:—			
R. S. Downe	$10 00		
W. B. Hunt Co. . . .	6 15		
La-Lo Mfg. Co. . . .	19 00		
Orient Mfg. Co. . . .	10 00		
West Disinfecting Co. . .	17 50		
Winchester's Tar Disinfectant Co.	20 60		
		83 25	
Expense of auxiliary station during alterations at Station 4:—			
Rent, Henderson Bros. . .	$75 00		
Gas consumed, Geo. R. Henderson	9 13		
		84 13	
Expressage:—			
Frederick B. Pullen (cash expended)	$3 53		
Savage & Son . . .	2 75		
Sundry persons . . .	1 00		
		7 28	
Firearms and repairs:—			
Wm. Read & Sons . . .		70 74	
Furniture, furnishings and repairs:—			
Brock Bros.	$32 00		
Wm. Caldwell . . .	7 40		
W. J. Coveney & Co. . .	23 75		
Louis W. Cutting Co. . .	7 75		
Derby Desk Co. . . .	16 00		
Library Bureau . . .	40 00		
W. E. Merrill	6 74		
Sundry persons . . .	3 70		
		137 34	
Grappling hooks:—			
Greene & Co.	$4 00		
Amounts carried forward . .	$4 00	$2,209 22	$6,000 00

Public Safety—Continued.

POLICE DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .	$4 00	$2,209 22	$6,000 00
Herbert L. Rose . . .	5 83		
Chas. Waugh & Co. . .	4 50		
		14 33	
Hardware, tools and supplies:—			
Brock Bros.	$10 84		
Bryant & Co.	4 15		
G. W. Burditt . . .	8 38		
E. T. Bynner	27 40		
Keough Electric Co. . .	4 54		
John J. McDonald . . .	2 00		
W. W. Reid Mfg. Co. . .	4 50		
L. A. Stingel	16 76		
Woodman & Milliken . .	3 16		
G. H. Worcester & Co. . .	7 88		
Yerxa & Yerxa . . .	22 44		
Sundry persons . . .	2 08		
		114 13	
Harness and repairs, and horse clothing:—			
Charles E. Berry . . .	$31 25		
Owen Doherty . . .	12 25		
Wm. H. Roberts . . .	12 85		
		56 35	
Hay, grain and straw:—			
Otis S. Brown & Co. . .	$333 05		
J. Cushing & Co. . . .	251 28		
		584 33	
Heating station houses:—			
City Hall account (transfer)		890 00	
Horses, Welch & Hall Co. .		550 00	
Horse clipping:—			
Harvard Horse Clipping Co.		9 00	
Horseshoeing:—			
Wm. Balmer	$42 00		
I. J. Goodhue . . .	43 25		
M. Newman	43 50		
Thos. Smith & Sons . .	37 50		
		166 25	
Ice hooks:—			
John Reardon & Sons Corp. .		2 32	
Laundry work:—			
Annie I. Dow	$10 50		
E. & R. Laundry Co. . .	1 55		
Margaret McCabe . . .	4 17		
		16 22	
Leg irons, Wm. Read & Sons .		6 00	
Lighting:—			
Cambridge Electric Light Co.	$419 07		
Cambridge Gas Light Co. .	513 99		
		933 06	
Amounts carried forward . .		$5,551 21	$6,000 00

Public Safety—Continued.

POLICE DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$5,551 21	$6,000 00
Membership fee:—			
International Ass'n Chiefs of Police		5 00	
Photographs and photographic supplies:—			
F. M. Ellis	$13 00		
Patrick J. Hurley . . .	60		
H. W. Tupper	3 00		
		16 60	
Professional services and care:—			
Cambridge Hospital . .	$2 86		
Cambridge Relief Hospital .	7 00		
Chas. J. Walsh, M.D. . .	3 00		
		12 86	
Refunds on minors' license badges		87 75	
Repairs to station houses:—			
Carpentry:—			
C. Mahoney	$19 98		
W. H. Norris	11 75		
W. B. Shay	4 62		
Painting:—			
C. P. Alberts	250 00		
W. J. Edwards . . .	225 00		
		511 35	
Services as counsel, John H. Hurley		10 00	
Services as expert, Edward R. Markham		31 45	
Services, drilling officers, Chas. H. Cutler		24 00	
Stationery, printing and office supplies:—			
Fred L. Beunke . . .	$165 92		
Cambridge Chronicle . .	171 25		
Cotton & Gould . . .	49 12		
J. A. Cummings Printing Co.	9 52		
Globe Stamp Works . .	1 50		
Library Bureau . . .	44 88		
Postage and Stationery (transfer)	40 32		
		482 51	
Stop watches, James A. Wood		12 00	
Storage of buggy, etc., Geo. D. Merrill		13 50	
Subscriptions to sundry periodicals		6 00	
Sutures, W. B. Hunt Co. . .		4 50	
Supplying towels, New England Towel Supply Co. . .		33 90	
Amounts carried forward . .		$6,802 63	$6,000 00

Public Safety—Continued.

POLICE DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$6,802 63	$6,000 00
Telegrams, Western Union Telegraph Co.		16 49	
Telephone service . . .		380 66	
Toilet paper and fixtures, Wm. H. Claflin & Co. . . .		7 50	
Typewriter repairs, Smith Premier Typewriter Co. . .		18 00	
Use of horses:—			
Chas. W. Dailey . . .	$10 50		
G. F. Whiting & Co. . .	13 50		
		24 00	
Wagon repairs:—			
John J. McDonald . . .	$3 00		
Chas. Waugh & Co. . .	184 75		
		187 75	
Sundries		2 50	
Total, including $930.32 transfers . . .			7,439 53
Excess of expenditures over appropriation . .			$1,439 53
Additional appropriation		$890 00	
Transfer to this appropriation from Contingent Fund		550 00	
			1,440 00
Balance relinquished to general treasury . .			$0 47

FIRE DEPT. (2.2)

SALARIES.

Appropriation			$101,314 00
EXPENDED.			
For salaries of:—			
Chief engineer, Nathaniel W. Bunker		$2,000 00	
Assistant Chief Engineer, James M. Casey		1,500 00	
Permanent men . . .		79,175 49	
Call men		14,941 67	
Pensioners:—			
Thomas J. Casey . . .	$1,000 00		
Eliot E. Alley	100 00		
James Cunningham . .	84 00		
Arthur C. Day . . .	72 00		
Benjamin D. Foss . . .	72 00		
Wm. Haley	516 00		
James Jefferson . . .	516 00		
John L. Jones . . .	235 00		
Edward E. Priest . . .	516 00		
James H. Skehan . . .	516 00		
		3,627 00	
Total			101,244 16
Surplus of appropriation relinquished to general treasury			$69 84

Public Safety—Continued.

FIRE DEPARTMENT—Continued.

GENERAL EXPENSES.

Appropriation		$17,500 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For sale of old materials	35 27	

EXPENDED.

For anvil, etc., Geo. W. Doak			$4 50
Apparatus, renewals and repairs:—			
American Locomotive Co.	$10 47		
Boston Woven Hose and Rubber Co.	1,600 81		
Campbell Iron Works	70 20		
Duff Spring Co.	23 50		
Wm. Elliott & Co.	113 20		
Green & Co.	17 00		
Hilton Coupling Co.	60 00		
International Power Co.	2,474 28		
Larkin Mfg. Co.	10 00		
C. W. H. Moulton & Co.	22 00		
Moynahan & Co.	4 60		
Scrannage Bros.	16 50		
H. J. Shaw	17 78		
Standard Extinguisher Co.	45 00		
Chas. Waugh & Co.	2,435 93		
Sundry persons	2 50		
		6,923 77	
Badges, buttons, insignias, etc.:—			
B. Goldsmith	$15 00		
Mitchell Mfg. Co.	10 00		
		25 00	
Bell, gongs, etc.:—			
Scrannage Bros.		19 65	
Carpentry, W. H. Norris		2 60	
Cash expended for traveling expenses, N. W. Bunker		6 42	
Chemicals, Cochrane Chem. Co.		25 89	
Clock repairs:—			
A. J. Applegate Co.		3 00	
Directories:—			
W. A. Greenough & Co.		8 00	
Disinfectant, insecticide, etc.:—			
R. S. Downe	$2 50		
Winchester's Tar Disinfectant Co.	49 30		
		51 80	
Dues, Gas Consumers' Ass'n		9 00	
Expressage, sundry persons		6 13	
Fuel:—			
Consumers' Coal Co.	$709 59		
Amounts carried forward	$709 59	$7,085 76	$17,500 00

Public Safety—Continued.

FIRE DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .	$709 59	$7,085 76	$17,500 00
Metropolitan Coal Co. . .	58 75		
C. W. H. Moulton & Co. .	91 60		
		859 94	
Furniture, furnishings and bedding:—			
Boston Woven Hose and Rubber Co.	$8 10		
Wm. Caldwell . . .	19 49		
Schofield & White . . .	61 30		
Worcester Bros. . . .	316 35		
		405 24	
Hardware, tools and repairs, and supplies:—			
Brock Bros.	$11 14		
Brock & Eaton . . .	13 89		
L. N. Brock	2 19		
E. T. Bynner	125 36		
Cambridge Hardware Co. .	56 46		
Casey-Bigley Co. . . .	88 50		
H. I. Dallman & Co. . .	40 50		
Gould Packing Co. . . .	3 00		
Peter Gray & Sons . . .	2 75		
J. A. Holmes & Co. . . .	10 00		
H. N. Hovey & Co. . .	3 70		
John Hunter	6 25		
Mass. Com. for the Blind	67 00		
John A. Pendergast . .	27 00		
James H. Wyeth & Co. .	5 32		
Sundry persons . . .	3 50		
		466 56	
Harness and repairs, and horse clothing:—			
Chas. E. Berry . . .	$169 30		
M. Cavanagh	27 00		
Owen Doherty . . .	20 50		
Harvard Harness Store . .	15 10		
Hill & Hill	8 10		
Wm. H. Roberts . . .	151 40		
		391 40	
Hats and trimmings:—			
Chas. E. Berry . . .	$37 00		
Mitchell Mfg. Co. . . .	4 50		
		41 50	
Hay, grain, straw, etc.:—			
J. Cushing & Co. . . .	$3,698 20		
H. P. McLaughlin & Co. .	3,192 78		
Frank P. Merrill Co. . .	13 00		
		6,903 98	
Horses, Welch & Hall Co. . .		1,445 23	
Horse clipping, Harvard Horse-Clipping Co. . . .		6 00	
Amounts carried forward . .		$17,605 61	$17,500 00

Public Safety—Continued.

FIRE DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$17,605 61	$17,500 00
Horseshoeing:—			
C. Alexander	$11 50		
Wm. Balmer	93 05		
J. A. Bolger	130 50		
Clifford Bros.	99 50		
George W. Doak . . .	63 75		
W. F. Garrett	220 38		
I. J. Goodhue	80 75		
T. Hickey	168 25		
D. F. McCarthy & Co. . .	100 75		
M. Newman	152 00		
Bernard Smith . . .	92 00		
Thomas Smith & Sons . .	118 75		
		1,331 18	
Ice:—			
Fresh Pond Ice Co. . .	$31 56		
Independent Ice Co. . .	10 65		
		42 21	
Laundry work, F. L. Churchill		237 45	
Life net, G. C. Fiske . .		75 00	
Lighting:—			
Cambridge Electric Light Co.	$373 79		
Cambridge Gas Light Co. .	530 64		
		904 43	
Lumber, Geo. W. Gale Lumber Co.		28 25	
Oil, polish, etc.:—			
Commonwealth Oil Co. . .	$14 56		
J. Wesley Edmonds & Son .	91 80		
Wm. F. Nye	6 52		
Standard Oil Co. of N. Y. .	97 25		
		210 13	
Roof repairs, John J. Blevins .		32 00	
Soap and soap powder:—			
Harrel Soap Co. . . .	$6 00		
Lever Bros. Co. . . .	3 80		
Teele Soap Co. . . .	9 00		
		18 80	
Soda, J. A. Holmes & Co. . .		89 52	
Sponges, dusters, etc.:—			
Murphy, Leavens & Co. .	$15 00		
G. H. Worcester & Co. . .	162 06		
		177 06	
Stationery, printing, etc.:—			
Fred L. Beunke . . .	$0 75		
Cambridge Chronicle . .	104 50		
Cotton & Gould . . .	7 00		
J. A. Cummings Printing Co.	13 79		
Postage and Stationery (transfer)	10 64		
		136 68	
Amounts carried forward .		$20,888 32	$17,500 00

Public Safety—Continued.

FIRE DEPARTMENT, GENERAL EXPENSES—Concluded.

Amounts brought forward . .		$20,888 32	$17,500 00
Telephone service . . .		43 36	
Torches, Masten & Wells Fireworks Mfg. Co. . . .		17 75	
Use of horses:—			
Bushway Ice Cream Co. .	$61 00		
Wm. Caldwell . . .	20 00		
James Culhane . . .	23 00		
Fresh Pond Ice Co. .	72 00		
John Herlihy	23 00		
John M. Riley . . .	49 00		
		248 00	
Total, including $10.64 transfers			21,197 43
Excess of expenditures over appropriation . .			$3,697 43
Additional appropriation			4,040 00
			$342 57
Transfer from this appropriation to Repairs to Buildings			300 00
Balance relinquished to general treasury . .			$42 57

FIRE DEPARTMENT

REPAIRS TO BUILDINGS.

Appropriation			$1,000 00
For carpentry, Alfred Allcock .		$168 00	
Door irons, etc., Wm. Elliott & Co.		21 25	
Lumber, Geo. W. Gale Lumber Co.		107 83	
Mason work, Thomas Leahy .		73 75	
Painting, varnishing, etc.:—			
Thomas F. Mullen . . .	$388 50		
Geo. E. Sawyer & Co. . .	221 35		
		609 85	
Plastering, D. F. Donovan & Co.		3 94	
Plumbing and drain work:—			
W. J. Hanna & Son . .	$21 50		
Higgins & Co. . . .	2 85		
D. J. Keefe & Co. . . .	3 47		
John J. Long	7 85		
Moynahan & Co. . . .	4 30		
Pennell & Co.	2 14		
Herbert L. Rose . . .	25 74		
		67 85	
Amounts carried forward . .		$1,052 47	$1,000 00

Public Safety—Continued.

FIRE DEPARTMENT, REPAIRS TO BUILDINGS—Concluded.

Amounts brought forward . .	$1,052 47	$1,000 00
Roof repairs, John J. Blevins .	237 40	
Ventilators, etc., W. Haley .	7 78	
Total		1,297 65
Excess of expenditures over appropriation . .		$297 65
Transfer to this appropriation from General Expenses		300 00
Balance relinquished to general treasury . .		$2 35

FIRE AND POLICE TELEGRAPH (2.2a)

ELECTRICAL DEPARTMENT, WIRE ACCOUNT.

SALARIES.

Appropriation			$8,000 00
EXPENDED.			
For salaries of:—			
Inspector of Wires, T. C. O'Hearn		$1,000 00	
Instrument-man, J. H. McAllister		1,199 29	
Linemen:—			
Arthur Jewell . . .	$1,095 00		
W. A. Pennock . . .	938 57		
		2,033 57	
Ground-man, John O'Hearn .		834 29	
Operators:—			
D. J. Campbell . . .	$782 14		
John H. Mahoney . . .	782 14		
Wilmot Kay	938 57		
		2,502 85	
Battery-man, F. X. Flynn . .		730 00	
Trouble-men:—			
Arthur Brown . . .	$72 00		
Martin Conley . . .	72 00		
Wilbur C. Eldridge . . .	80 00		
John J. Leahy . . .	72 00		
		296 00	
Clerk, W. H. Sheridan . .		313 00	
Total			8,909 00
Excess of expenditures over appropriation .			$909 00
Additional appropriation			1,013 00
Balance relinquished to general treasury . .			$104 00

Public Safety—Continued.

ELECTRICAL DEPARTMENT, WIRE ACCOUNT—Continued.

GENERAL EXPENSES.

Appropriation		$4,000 00

Department Receipts Carried to General Treasury.

Work on wires occasioned by moving building	$17 55	

EXPENDED.

For apparatus and repairs and electrical supplies:—			
Bay State Insulated Wire and Cable Co.	$246 72		
Geo. H. Buckminster & Co.	842 47		
Clark & Mills Electric Co.	3 00		
Thomas J. Daly	7 44		
Dorchester Pottery Works	36 38		
Electric Goods Mfg. Co.	110 80		
Edes Mfg. Co.	36 40		
F. M. Ferrin	11 25		
Gamewell Fire Alarm Telegraph Co.	437 26		
Holtzer-Cabot Electric Co.	26 70		
Howe & French	41 73		
James F. Rooney	181 51		
Simplex Electric Heating Co.	3 00		
Stackpole Battery Co.	20 63		
Stover & Wheeler	8 75		
Sundry persons	4 91		
		2,018 95	
Binding, J. H. H. McNamee Co.		9 70	
Car tickets:—			
Boston Elevated Railway Co.		75 00	
Carpentry, Thomas Powers		45 70	
Concord buggy, Henderson Bros.		215 00	
Directory:—			
W. A. Greenough & Co.		4 00	
Expressage, sundry persons		15 17	
Glass for fire alarm boxes:—			
J. Leo McDonald		1 00	
Gloves, C. J. Bailey & Co.		1 10	
Hardware, tools and repairs, and supplies:—			
Brock Bros.	$70 70		
Cambridge Plating Co.	1 50		
Chase, Parker & Co.	2 50		
M. Myers	9 40		
Edward R. Sage	12 78		
Parke Snow	1 20		
A. J. Wilkinson & Co.	17 78		
Sundry persons	3 11		
		118 97	
Amounts carried forward		$2,504 59	$4,000 00

Public Safety—Continued.

ELECTRICAL DEPARTMENT, WIRE ACCOUNT, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$2,504 59	$4,000 00
Harness and repairs, and horse clothing:—			
Harvard Harness Store . .		91 20	
Horse board, John J. Corkery .		611 00	
Horseshoeing, Wm. Balmer .		77 50	
Laundry work, F. L. Churchill		13 74	
Lighting:—			
Cambridge Electric Light Co.		18 84	
Lumber:—			
Geo. W. Gale Lumber Co. .		10 01	
Paint, turpentine, etc.:—			
W. J. Edwards . . .	$19 36		
Brock Bros.	16 37		
		35 73	
Photographs:—			
James E. Daley . . .	$10 00		
Thomas F. Drummond . .	1 50		
		11 50	
Repairing chair, E. P. Donahue		1 00	
Repairing steam whistle and valve, Crosby Steam Gage and Valve Co. . . .		31 35	
Roof repairs, Howard F. Peak		5 50	
Rubber tire, M. J. O'Hara . .		6 00	
Shades, Worcester Bros. . .		2 00	
Stationery, printing and office supplies:—			
The C. S. Binner Corp. . .	$28 50		
J. A. Cummings Printing Co. .	9 74		
J. Frank Facey . . .	34 00		
Postage and Stationery (transfer)	21 11		
		93 35	
Subscription, Illuminating Engineering Publishing Co. .		1 50	
Telephone service . . .		139 46	
Traveling expenses to convention, T. C. O'Hearn . .		68 00	
Typewriter:—			
Smith Premier Typewriter Co.		58 50	
Use of horse, John J. Corkery .		5 00	
Wagon and carriage repairs:—			
G. M. DeWolf	$3 50		
T. H. Kneeland . . .	166 25		
A. F. Xavier	18 00		
Chas. Waugh & Co. . .	26 30		
		214 05	
Amounts carried forward . .		$3,999 82	$4,000 00

Public Safety—Continued.

ELECTRICAL DEPARTMENT, WIRE ACCOUNT, GENERAL EXPENSES—Concluded.

Amounts brought forward . .		$3,999 82	$4,000 00
New police boxes (special appropriation):—			
Gamewell Fire Alarm Telegraph Co.		450 00	
Total, including $21.11 transfers . . .			4,449 82
			$449 82
Additional appropriation for Police Signal Boxes			450 00
Balance relinquished to general treasury . .			$0 18

HEALTH DEPARTMENT. (2.4)

SALARIES.

Appropriation			$12,900 00
For salaries of medical inspector:—			
Edwin Farnham, M.D. . .	$750 00		
Albert P. Norris, M.D. . .	750 00		
		$1,500 00	
Physician to the Board, Edwin Farnham, M.D. . . .		1,500 00	
Clerk, James B. Soper . .		1,200 00	
Secretaries:—			
Grace E. Wyeth . . .	$109 31		
Isabel C. Melville . . .	690 69		
		800 00	
Sanitary inspectors:—			
John A. Jackson . . .	$1,000 00		
Chas. A. Lincoln . . .	1,000 00		
John F. Cummings . . .	801 64		
Richard M. O'Brien . .	13 01		
Cornelius F. Sullivan . .	114 28		
		2,928 93	
Inspector of provisions, Jos. L. Johnson		1,200 00	
Plumber, John McCormick .		1,000 00	
Bacteriologist, Allan F. Barnes, M.D.		1,080 00	
School nurse, J. M. C. Hume .		27 11	
School inspectors:—			
F. J. Barnes, M.D. . . .	$100 00		
Wm. H. Burke, M.D. . .	100 00		
Wm. H. Clancy, M.D. . .	176 44		
John F. Fair, M.D. . . .	100 00		
Chas. P. Feeley, M.D. . .	200 00		
P. M. Fitzsimons, M.D. .	23 56		
Wm. E. Fleet, M.D. . .	200 00		
Amounts carried forward . .	$900 00	$11,236 04	$12,900 00

Public Safety—Continued.

HEALTH DEPARTMENT, SALARIES—Concluded.

Amounts brought forward . .	$900 00	$11,236 04	$12,900 00
C. M. Hutchinson, M.D. . .	200 00		
T. J. Leahy, M.D. . . .	200 00		
E. A. McCarthy, M.D. . .	100 00		
A. Moll, M.D.	100 00		
John P. Nelligan, M.D. . .	200 00		
		1,700 00	
Total			12,936 04
Excess of expenditures over appropriation . .			$36 04
Transfer to this account from Contingent Fund		$300 00	
Additional appropriation		10 00	
			310 00
Balance relinquished to general treasury . .			$273 96

GENERAL EXPENSES.

Appropriation	$7,000 00

Department Receipts Carried to General Treasury.

For care of sick:—			
Com. of Mass. . .	$437 86		
City of Boston .	475 70		
City of Lowell .	284 99		
City of Lynn . .	72 85		
City of Somerville .	154 28		
Town of Belmont .	92 14		
Sundry persons .	15 00		
		$1,532 82	
Democrat wagon . . .		12 00	
Refund on account of over-payment		32 00	
Reimbursement of amounts paid out in "buckwheat" case, Morris Feinstein . .		18 00	
			$1,594 82

EXPENDED.

For advertising:—		
Cambridge Chronicle . . .	$12 75	
Attendance in court in case of City of Everett vs. City of Cambridge:—		
Thomas B. Shea, M.D. .	50 00	
Amounts carried forward . .	$62 75	$7,000 00

Public Safety—Continued.

HEALTH DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$62 75	$7,000 00
Bacteriological and disinfecting apparatus and supplies:—			
American Cork Co. . . .	$2 50		
Billings & Stover . . .	46 80		
Brock Bros.	2 00		
J. R. Fallon	81 21		
Higgins & Co.	31 00		
J. Ellwood Lee Co. . .	64 00		
Albert E. Lynch & Co. . .	118 00		
Theodore Metcalf Co. . .	168 40		
Schlegel & Fottler Co. . .	2 30		
F. H. Thomas Co. . . .	9 26		
Whitall-Tatum Co. . . .	15 99		
Sundry persons . . .	2 35		
		543 81	
Blankets, dry goods, etc.:—			
J. H. Corcoran . . .	$22 46		
W. E. Merrill	7 50		
		29 96	
Board and treatment:—			
Boston Association for the Relief and Control of Tuberculosis	$15 00		
Cambridge Hospital . .	5,009 08		
Cambridge Relief Hospital .	17 15		
City of Boston . . .	1,339 99		
City of Everett . . .	550 00		
City of Melrose . . .	24 00		
City of Newton . . .	68 05		
City of Somerville . . .	5,246 08		
Com. of Massachusetts . .	4 80		
Holy Ghost Hospital . .	460 00		
J. E. Kinsella . . .	40 71		
Mass. State Sanatorium . .	9 71		
Millet Sanatorium . . .	93 25		
Newton Hospital . . .	525 72		
Town of Brookline . . .	59 42		
Watertown Health Dept. .	63 29		
		13,526 25	
Burial, Horace D. Litchfield .		20 00	
Car tickets and transportation:—			
Albert P. Norris (cash expended)	$17 25		
Boston Elevated Railway Co.	500 00		
		517 25	
Carriage hire:—			
T. W. Hillier	28 00		
B. S. Walker	12 00		
G. F. Whiting & Co. . .	31 00		
		71 00	
Amounts carried forward . .		$14,771 02	$7,000 00

Public Safety—Continued.

HEALTH DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$14,771 02	$7,000 00
Cash expended for burying animals:—			
Edwin Farnham, M.D. . .		147 25	
Cash expended for examining title:—			
James B. Soper . . .		67	
Certified copy of deed:—			
E. O. Childs, Register . .		2 25	
Directories:—			
W. A. Greenough & Co. . .	$4 00		
Sampson & Murdock Co. . .	6 00		
		10 00	
Expenses of prosecution in "buckwheat" case:—			
Photographs and witness fees, W. H. Lertora . . .	$10 00		
Services of attorney, Augustine J. Daly . . .	35 00		
Teaming, Albert E. DeCost .	8 00		
		53 00	
Expressage:—			
Sundry persons . . .		11 09	
Hardware, tools and supplies:—			
E. T. Bynner	$6 75		
Cochrane Chemical Co. . .	5 00		
Albert P. Norris . . .	1 00		
Yerxa & Yerxa . . .	1 47		
		14 22	
Harness and repairs, and horse clothing:—			
M. Cavanagh	$32 60		
Wm. H. Roberts . . .	4 60		
G. F. Whiting & Co. . .	1 50		
		38 70	
Horse, Welch & Hall Co. . .		136 88	
Horse board and storage of ambulance:—			
Loring E. Wheeler . . .	$20 00		
G. F. Whiting & Co. . .	268 34		
		288 34	
Horseshoeing and clipping:—			
W. F. Garrett	$13 75		
I. J. Goodhue . . .	39 00		
Harvard Horseclipping Co. .	2 00		
Loring E. Wheeler . .	21 65		
		76 40	
Ice, Cambridge Ice Co. . .		19 20	
Massachusetts Year Book:—			
G. W. Butters . . .		2 00	
Office furniture:—			
Library Bureau . .	$35 00		
The Macey Co. . . .	5 00		
Amounts carried forward . .	$40 00	$15,571 02	$7 000 00

Public Safety—Continued.

HEALTH DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .	$40 00	$15,571 02	$7,000 00
Paine Furniture Co. . .	53 50		
		93 50	
Professional services in consultation:—			
David D. Brough, M.D. . .		50 00	
Removing nests of brown-tail moth from property on New St., Park Dept. (transfer) .		2 29	
Repairs to public sanitaries:—			
Samuel McCulloch . . .	$7 75		
Herbert L. Rose . . .	8 15		
		15 90	
Serving notices:—			
Wm. H. Cunningham . .	$0 58		
W. Y. Gross	95		
John F. Kelly, treasurer .	10 48		
Walter C. Wardwell . .	2 00		
Bartholomew M. Young . .	6 00		
		20 01	
Services investigating milk supply, etc.:—			
Edward P. Harkins . .	$24 50		
J. Litchfield	3 00		
		27 50	
Services assisting secretary:—			
Grace E. Wyeth . . .		9 00	
Services of special school inspectors during scarlet fever epidemic:—			
Genevieve Clarke, M.D. . .	$20 82		
Wm. J. Dwyer, M.D. . .	20 82		
P. M. Fitzsimons, M.D. . .	20 82		
F. E. Gilman, M.D. . .	20 82		
Geo. E. Sherman, M.D. . .	20 82		
Walter J. Webb, M.D. . .	20 82		
		124 92	
Sputum outfits:—			
Place Box Co.		8 00	
Stationery, printing and office supplies:—			
Cambridge Chronicle . .	$10 00		
Caustic-Claflin Co. . . .	207 00		
Cotton & Gould . . .	18 70		
J. A. Cummings Printing Co.	20 29		
J. L. Fairbanks & Co. . .	20 16		
J. Frank Facey . . .	22 00		
Library Bureau . . .	6 50		
The Macey Co. . . .	5 00		
Sundry persons . . .	2 37		
Postage and Stationery (transfer)	51 29		
		363 31	
Amounts carried forward . .		$16,285 45	$7,000 00

Public Safety—Continued.

HEALTH DEPARMENT, GENERAL EXPENSES—Concluded.

Amounts brought forward	$16,285 45	$7,000 00
Telephone service	196 29	
Typewriter repairs:—		
A. R. Andrews	3 00	
Use of man and horses:—		
G. F. Whiting	300 91	
Wagon, Horace D. Litchfield	150 00	
Wagon and ambulance repairs:—		
Chas. Waugh & Co.	39 95	
Total, including $53.58 transfers		16,975 60
Excess of expenditures over appropriation		$9,975 60
Additional appropriation	$9,343 35	
Transfer to this account from Contingent Fund	2,362 98	
		11,706 33
Balance relinquished to general treasury		$1,730 73

DIPHTHERIA HOSPITAL.

Appropriation			$8,000 00
	EXPENDED.		
For salaries of:—			
Physician, David C. Dow, M.D.		1,200 00	
Matron, Mildred Sanborn		720 00	
Nurses:—			
Alice Hawkins	$480 00		
Melinda Hodgins	480 00		
Olive Inch	480 00		
Minnie Simpson	480 00		
		1,920 00	
Cook, Cassie Short		312 86	
House-man, James Reagan		730 00	
House servant, Clara Flynn		260 72	
Laundress, Annie Wallace		312 86	
Expressage, sundry persons		1 15	
Fuel, Consumers' Coal Co.		249 18	
Furniture, furnishings and household supplies:—			
G. W. Bent Co.	$39 00		
Ernest W. Clark	96 07		
Jordan-Marsh Co.	302 95		
Frank P. Merrill Co.	5 00		
		443 02	
Hardware and supplies:—			
Brock & Eaton	$12 70		
J. H. & J. P. Thayer & Co.	16 59		
		29 29	
Ice, Fresh Pond Ice Co.		71 74	
Lighting:—			
Cambridge Gas Light Co.		66 33	
Amounts carried forward		$6,317 15	$8,000 00

Public Safety—Continued.

HEALTH DEPARTMENT, DIPHTHERIA HOSPITAL—Concluded.

Amounts brought forward		$6,317 15	$8,000 00
Manure, James Shea		10 00	
Medical and surgical apparatus and supplies:—			
Griswoldville Mfg. Co.	$108 18		
W. B. Hunt Co.	34 87		
Albert E. Lynch & Co.	6 52		
Sellar Surgical Co.	1 25		
F. H. Thomas Co.	60 73		
		211 55	
Night-gowns, Jordan-Marsh Co.		11 76	
Oil, Frank P. Merrill Co.		5 04	
Plumbing, John M. Dow		12 97	
Repairing roof, furnace, etc.:—			
E. W. Clark	$6 25		
Howard F. Peak	8 50		
		14 75	
Setting glass, J. Leo McDonald		2 10	
Subsistence supplies:—			
B. Kelleher	$129 29		
Kelleher & Qualey	121 55		
Manhattan Market	293 72		
Robert E. Printon	218 70		
W. W. Seavey	389 13		
S. Wooley	18 38		
Yerxa & Yerxa	720 55		
		1,891 32	
Telephone service		45 35	
Total			8,521 99
Excess of expenditures over appropriation			$521 99
Additional appropriation			522 88
Balance relinquished to general treasury			$0 89

INSPECTOR OF MILK AND VINEGAR.

SALARIES.

Appropriation			$1,750 00
EXPENDED.			
For salaries of:—			
Inspectors:—			
Albert P. Norris, M.D.	$583 33		
Ernest H. Sparrow, M.D.	416 67		
		$1,000 00	
Deputy inspector, Clemence J. Hogan		688 16	
Substitute, Charles A. Hogan		26 00	
Total			1,714 16
Surplus of appropriation relinquished to general treasury			$35 84

Public Safety—Continued.

INSPECTOR OF MILK AND VINEGAR—Continued.

GENERAL EXPENSES.

Appropriation			$250 00
EXPENDED.			
For apparatus and repairs and supplies:—			
Bausch & Lomb Optical Co.	$8 56		
Charles X. Dalton	5 25		
Eimer & Amend	12 80		
J. R. Fallon	9 65		
Peter Gray & Sons	2 20		
Higgins & Co.	6 20		
International Instrument Co.	32 50		
A. Lubbe	2 30		
Theodore Metcalf Co.	12 57		
Whitall-Tatum Co.	45 47		
Sundry persons	3 40		
		$140 90	
Cabinet, The Macey Co.		6 00	
Car tickets, Boston Elevated Railway Co.		55 00	
Cash expended for sundries:—			
A. P. Norris		1 55	
Expressage:—			
American Express Co.	75		
Sawin's Express	$1 80		
H. E. Sawin's Express	3 49		
		6 04	
Moving apparatus, Hersum & Co.		4 00	
Preparation of solutions, Robert Spurr Weston		4 50	
Photographs, Whitney & Son		4 10	
Repairing motor and testing apparatus, Bryant & Co.		6 96	
Stationery and printing:—			
Cambridge Chronicle	$26 75		
Caustic-Claflin Co.	2 90		
J. A. Cummings Printing Co.	10 12		
Warren F. Kimball	14 00		
Postage and Stationery (transfer)	3 59		
		57 36	
Sundries		90	
Total, including $3.59 transfers			287 31
Excess of expenditure over appropriation			$37 31
Transfers to this account:—			
From salaries		$35 84	
From Contingent Fund		1 47	
			$37 31

Public Safety—Continued.

INSPECTOR OF MILK AND VINEGAR—Continued.

MODIFIED MILK.

Appropriation			$1,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For sale of milk	$538 12		
EXPENDED.			
For apparatus, repairs and supplies:—			
Armstrong Cork Co.	$10 45		
Arthur W. Balcom	4 07		
Silas Darling	2 75		
Annette Fiske	4 84		
C. L. Flaccus Glass Co.	39 00		
Whitall-Tatum Co.	3 33		
Sundry persons	2 20		
		$66 64	
Boxes, Geo. G. Page Box Co.		3 17	
Car fares, Annette Fiske		1 15	
Delivery of milk:—			
Clemence J. Hogan	$23 29		
G. F. Whiting & Co.	57 09		
		80 38	
Expressage, sundry persons		3 50	
Gas, Cambridge Gas Light Co.		9 09	
Ice:—			
Annette Fiske	$0 25		
Fresh Pond Ice Co.	7 43		
		7 68	
Milk and cream, and sugar of milk:—			
Charles Cahill	$496 96		
Annette Fiske	60		
Theodore Metcalf Co.	68 09		
		565 65	
Printing and stationery:—			
Cambridge Chronicle	$3 00		
Caustic-Claflin Co.	80		
Postage and Stationery (transfer)	1 10		
		4 90	
Services of nurses at distributing stations:—			
Cambridge Training School for Nurses	$175 71		
Cambridge Visiting Nursing Association	175 71		
		351 42	
Services, washing and filling bottles, etc.:—			
Sundry persons		82 35	
Amounts carried forward		$1,175 93	$1,000 00

Public Safety—Continued.

INSPECTOR OF MILK AND VINEGAR—MODIFIED MILK—Concluded.

Amounts brought forward . .	$1,175 93	$1,000 00
Repairing wagon, Chas. Waugh & Co.	14 60	
Total including $1.10 transfers		1,190 53
Excess of expenditures over appropriation .		$190 53
Additional appropriation		190 53
		$0 00

INSPECTOR OF ANIMALS.

Appropriation			$900 00
EXPENDED.			
For salary of inspector:—			
Chas. E. Hadcock . . .		$700 00	
Medicines and drugs:—			
F. E. Carman	$10 00		
Walter A. Claflin . . .	110 35		
A. Cunningham Drug Co. .	62 54		
Sundry persons . . .	3 25		
		186 14	
Total			886 14
Surplus of appropriation relinquished to general treasury			$13 86

INSPECTORS (2.6)

SUPERINTENDENT OF BUILDINGS.

SALARIES.

Appropriation			$6,200 00
EXPENDED.			
For salaries of:—			
Supt. of Buildings:—			
Thomas F. Tracy . . .		$2,000 00	
Inspectors:—			
J. W. Emery	$1,200 00		
W. A. Ford	1,200 00		
L. D. Garfield	1,200 00		
		3,600 00	
Clerk, Wm. H. Sheridan . .		671 00	
Total			6,271 00
Excess of expenditures over appropriation . .			$71 00
Transfer to this appropriation from General Expenses			71 00
			$0 00

Public Safety—Continued.

SUPERINTENDENT OF BUILDINGS—Concluded.

GENERAL EXPENSES.

Appropriation			$800 00
EXPENDED.			
For bicycle repairs:—			
Columbia Bicycle Agency		$9 00	
Care and repair of tower clocks:—			
First Baptist Church	$26 00		
E. Howard Clock Co.	10 00		
J. B. Mace	19 50		
James W. Marshea	52 00		
A. S. Thayer	25 00		
		132 50	
Car tickets, Boston Elevated Railway Co.		180 00	
Consultation in regard to building, F. B. Furbish		10 00	
Harness and repairs, Harvard Harness Store		16 35	
Horse board, T. W. Hillier		25 00	
Horseshoeing, William Roach		32 00	
Photographs, James E. Daley		14 00	
Serving notices, Warren Ivers		2 50	
Sleigh, T. H. Kneeland		25 00	
Stationery, printing and office supplies:—			
Cotton & Gould	$35 22		
J. A. Cummings Printing Co.	44 58		
J. Frank Facey	90 25		
Postage and Stationery (transfer)	19 21		
		189 26	
Stenographic service at hearing, Elizabeth M. Connell		5 00	
Telephone service		81 85	
Sundries		5 35	
Total, including $19.21 transfers			727 81
Surplus of appropriation			$72 19
Transfer from this appropriation to Salaries			71 00
Balance relinquished to general treasury			$1 19

Public Safety—Continued.

INSPECTORS (2.6)

PLUMBERS' EXAMINERS' DEPARTMENT.

Appropriation		$150 00
EXPENDED.		
For examination of applicants for plumbers' licenses:—		
John T. Phelan	$119 93	
Total		119 93
Surplus of appropriation relinquished to general treasury		$30 07

SEALER OF WEIGHTS AND MEASURES.

SALARIES.

Appropriation			$2,200 00
EXPENDED.			
For salaries of:—			
Sealers of Weights and Measures:—			
Geo. H. Dinan	$465 60		
Felix C. McBride	734 40		
		$1,200 00	
Deputies:—			
John C. Connors	$900 00		
Emory T. Morris	71 54		
		971 54	
Assistants:—			
John J. Cosgrove	$57 40		
John T. Costello	20 40		
Margaret Ford	3 00		
Edw. H. McCarron	19 20		
		100 00	
Total			2,271 54
Excess of expenditures over appropriation			$71 54
Additional appropriation			150 00
Balance relinquished to general treasury			$78 46

GENERAL EXPENSES.

Appropriation		$500 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For fees for sealing	$641 68	
Weighers' fees	95 24	
	$736 92	
Amount carried forward		$500 00

Public Safety—Continued.

SEALER OF WEIGHTS AND MEASURES, GENERAL EXPENSES—Continued.

Amount brought forward . .			$500 00
	EXPENDED.		
For acid:—			
John J. Hargraves . . .		$9 00	
Malden Specialty Co. . .		14 00	
			$23 00
Equipment:—			
Books, Caustic-Claflin Co. .		$20 50	
Brands, seals, weights:—			
H. C. Dimond & Co. . . .	$18 35		
John J. McGivney	3 50		
Sundry persons .	3 30		
		25 15	
Hardware and supplies:—			
Brock & Eaton .	$6 90		
Chadwick - Boston Lead Co. . .	3 00		
Sundry persons .	1 60		
		11 50	
Wagon, E. E. Breen . .		85 00	
			142 15
Horse board, shoeing and clipping:—			
Street Dept. (transfer) . .		$197 31	
Fred D. Norton . . .		2 50	
			199 81
Office expenses:—			
Advertising, Cambridge Chronicle		$10 00	
Car tickets, Boston Elevated Railway Co. . . .		35 00	
Copying, Helen C. Littlefield		3 50	
Directory, W. A. Greenough & Co.		4 00	
Expressage, sundry persons .		1 15	
Soap, John J. McGivney .		60	
Stationery and printing:—			
Amee Bros. .	$0 50		
J. A. Cummings Printing Co. .	7 38		
J. Frank Facey .	10 25		
Postage and Stationery (transfer) . . .	10 78		
		28 91	
Telephone service . . .		18 55	
			101 71
Amounts carried forward . .			$466 67 $500 00

Public Safety—Continued.

SEALER OF WEIGHTS AND MEASURES, GENERAL EXPENSES—Concluded.

Amounts brought forward . .		$466 67	$500 00
Wagon and harness repairs:—			
Burton & McCannon . .	$18 30		
Owen Doherty . . .	6 35		
		24 65	
Total, including $208.09 transfers . . .			491 32
Surplus of appropriation relinquished to general treasury			$8 68

REMOVAL OF CITY SCALES.

Appropriation			$400 00
EXPENDED.			
For carpentry, John Quin & Son		$92 72	
Crushed stone, Mass. Broken Stone Co.		51 36	
Mason work, McGahey & O'Connor		189 05	
Oil, hardware, etc.:—			
Burton & McCannon . .	$3 75		
C. S. Roach	2 30		
		6 05	
Repairing scales, The Fairbanks Co.		72 17	
Repairing street, sundry persons, as per pay roll . .		51 38	
Stone and labor, Street Dept. (transfer)		47 00	
Sundries		61	
Total, including $47.00 transfer			510 34
Excess of expenditure over appropriation . .			$110 34
Transfer to this appropriation from Contingent Fund			150 00
Balance relinquished to general treasury . .			$39 66

Public Safety—Continued.

MILITIA AND ARMORIES (2.7)

RIFLE RANGE.

Appropriation		$600 00
EXPENDED.		
For use of targets:—		
Bay State Military Rifle Ass'n	$1,016 00	
Total		1,016 00
Excess of expenditures over appropriation		$416 00
Additional appropriation		416 90
Balance relinquished to general treasury		$0 90

CAR TICKETS TO AND FROM RIFLE RANGE.

Appropriation		$650 00
EXPENDED.		
For car tickets for military companies:—		
Co. E, Eighth Regiment	$100 00	
Co. C, Eighth Regiment	162 50	
Co. B, Fifth Regiment	100 00	
Co. 6, C. C. A.	100 00	
Total		462 50
Surplus of appropriation relinquished to general treasury		$187 50

SCHEDULE A-VIII

APPROPRIATIONS AND EXPENDITURES

No. 3

PUBLIC CHARITY.

3. PUBLIC CHARITY.

HOSPITALS ((3.1)

CITY HOME HOSPITAL.

Appropriation	$1,600 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For board	$444 01

EXPENDED.

For services of:—			
Nurses:—			
Caroline E. Fandel	$313 71		
Mary G. Welch	260 00		
Attendants:—			
Jessie Cameron	205 71		
Sarah M. Livingston	55 00		
Cleaner, Rose Gilbert	104 00		
		938 42	
Disinfectant, Orient Mfg. Co.		4 00	
Fuel, Consumers' Coal Co.		112 00	
Furniture, furnishings and household supplies:—			
A. Lubbe	$28 15		
Sundry persons	4 58		
		32 73	
Lighting:—			
Cambridge Electric Light Co.		118 80	
Medical and surgical apparatus and supplies:—			
Carpenter-Morton Co.	$2 00		
John H. Corcoran	23 77		
Geo. C. Gardiner	82 85		
C. H. Goldthwaite & Co.	7 00		
Robert Josselyn	19 81		
A. Lubbe	14 00		
Samuel H. Talbot	134 15		
Terminal Wine Co.	8 00		
John A. Tupper	43 85		
		335 43	
Plumbing, Ernest W. Clark		12 01	
Subsistence supplies:—			
Chas. F. Wood		46 32	
Total			1,599 71
Surplus of appropriation relinquished to general treasury			$0 29

Public Charity—Continued.

ALMSHOUSES (3.4).

CITY FARM, LABOR.

Appropriation			$4,000 00
EXPENDED.			
For labor on farm:—			
Farmer, James Walsh	$782 50		
Sundry persons, as per pay roll	3,137 28		
		$3,919 78	
Removing moth nests:—			
James S. Foley		61 00	
Total			3,980 78
Surplus of appropriation			19 22
Transfer from this appropriation to City Home, Salaries			15 00
Balance relinquished to general treasury			4 22

GENERAL EXPENSES.

Appropriation			$900 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
From sale of farm products	$5,486 29		
EXPENDED.			
For creosote, Park Dept. (transfer)		2 70	
Eggs, Joseph E. Dalton		10 00	
Electrical work:—			
F. Bryant & Co.		12 00	
Hardware, tools and supplies:—			
Joseph Breck & Sons. Corp.	$20 18		
Brock Bros.	9 90		
E. T. Bynner	70 71		
A. Lubbe	51 50		
		152 29	
Harness repairs:—			
M. Cavanagh	$9 50		
Thomas J. Fox	10 90		
		20 40	
Hay, grain, and straw:—			
Clark Bros.	$280 96		
J. Cushing & Co.	47 99		
C. E. Wheeler	38 50		
		367 45	
Amounts carried forward		$564 84	$900 00

Public Charity—Continued.

CITY FARM, GENERAL EXPENSES—Concluded.

Amounts brought forward . .		$564 84	$900 00
Horseshoeing, Wm. Balmer .		20 75	
Hot-bed sashes:—			
Standard Plate Glass Co. .	$28 40		
Wm. J. Walsh . . .	50 00		
		78 40	
Lighting, Cambridge Electric Light Co.		9 00	
Lumber, Geo. W. Gale Lumber Co.		83 69	
Pigs, E. A. Muller . . .		54 00	
Rent of stand, Mercantile Wharf Corp. . . .		40 00	
Rubber aprons, Robt. Josselyn		4 50	
Seeds, plants, etc.:—			
James S. Foley . . .	$3 00		
Schlegel & Fottler Co. .	115 93		
		118 93	
Smearing trees with tanglefoot:—			
James S. Foley . . .		10 00	
Teaming, T. A. Callaghan .		5 00	
Wagon repairs, A. S. Lohnes .		9 35	
Total, including $2.70 transfers			998 46
Excess of expenditures over appropriation . .			$98 46
Additional appropriation			100 00
Balance relinquished to general treasury . .			$1 54

ALMSHOUSES (3.4)

CITY HOME, SALARIES.

Appropriation			$7,090 00
EXPENDED.			
For salaries of:—			
Superintendent:—			
Chas. E. Goodrow . . .		$1,500 00	
Assistant Superintendent:—			
Samuel F. Norris . . .		64 65	
Sundry house employees .		5,369 97	
Organist, Carrie M. Walker .		100 00	
Total			7,034 62
Surplus of appropriation			$55 38
Transfer to this appropriation from Farm Labor			15 00
			$70 38
Transfer from this appropriation to General Expenses			70 00
Balance relinquished to general treasury . .			$0 38

Public Charity—Continued.

CITY HOME—Continued.

GENERAL EXPENSES.

Appropriation		$12,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For barrels	18 80
Board	766 20
Grease and bones	35 43
Rags, junk, etc.	13 45
	$833 88

EXPENDED.

For advertising:—			
Cambridge Chronicle	$7 50		
Globe Newspaper Co.	9 90		
		17 40	
Boots, shoes and repairs:—			
F. X. Masse	$127 68		
Henry Siebert	31 86		
James Taylor & Co.	1 75		
		161 29	
Bricks, Parry Brick Co.		5 50	
Burials:—			
Cemetery Dept. (transfer)	$15 00		
Horace D. Litchfield	33 20		
David J. Nelligan	5 00		
		53 20	
Car tickets:—			
Boston Elevated Railway Co.		85 00	
Cash expended, C. E. Goodrow:—			
Cash to inmates	$92 15		
Services of clergymen	72 00		
		164 15	
Clock repairs:—			
F. A. Colburn	$12 70		
Hersey Mfg. Co.	4 12		
Hussey & Maguire	8 83		
		25 65	
Clothing, dry goods and bedding:—			
J. H. Corcoran	$187 70		
Farley, Harvey & Co.	135 94		
F. X. Masse	208 37		
Mass. State Prison	30 00		
Reformatory Prison for Women	27 00		
L. Rosencranz	44 00		
Walker-Stetson Co.	114 76		
		747 77	
Directory:—			
W. A. Greenough & Co.		4 00	
Amounts carried forward		$1,263 96	$12,000 00

Public Charity—Continued.

CITY HOME, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$1,263 96	$12,000 00
Disinfectant and insecticide:—			
R. S. Downe . . .	$15 00		
Orient Mfg. Co. . . .	8 50		
West Disinfecting Co. .	22 50		
Worrell Mfg. Co. . .	10 00		
		56 00	
Expressage, Danehy's Express		25 60	
Fuel, Consumers' Coal Co. .		1,042 72	
Furniture, furnishings and repairs, and household supplies:—			
Brock Bros.	$43 65		
F. Bryant & Co. . . .	6 05		
William Caldwell . .	130 86		
A. Lubbe	110 07		
Sundry persons . . .	4 34		
		294 97	
Hardware, tools and repairs, and supplies:—			
Brock Bros. . . .	$10 33		
E. T. Bynner . . .	26 46		
Clark Bros.	1 45		
A. Lubbe	31 62		
Daniel J. Sullivan . .	5 60		
		75 46	
House repairs:—			
Heating apparatus repairs:—			
Campbell Iron Works .	$76 75		
Morandi-Proctor Co. . .	14 30		
Lighting apparatus repairs:—			
Ernest W. Clark . . .	14 36		
Lumber:—			
Geo. W. Gale Lumber Co. .	19 84		
Painting:—			
John M. Forrest . .	38 00		
Wm. H. Mooney . . .	12 30		
Papering, Thomas Hughes .	18 38		
Plastering, Harrington & Howell	59 60		
Plumbing:—			
J. E. Brouillard . . .	14 85		
Ernest W. Clark . . .	36 56		
T. W. Haley . . .	52 57		
Roof repairs, George Douglass	136 98		
lass	136 98		
Windows, A. W. Hastings & Co.	1 40		
		495 89	
Ice, Cambridge Ice Co. . .		221 58	
Inspection of boilers:—			
Geo. A. Luck		10 00	
Amounts carried forward . .		$3,486 18	$12,000 00

Public Charity—Continued.

CITY HOME, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$3,486 18	$12,000 00
Lighting:—			
Cambridge Gas Light Co. .		167 85	
Medicines, drugs and surgical supplies:—			
Carpenter-Morton Co. .	$80 30		
C. H. Goldthwaite & Co. .	12 50		
Samuel H. Talbot . .	150 16		
Terminal Wine Co. . .	42 76		
John A. Tupper . . .	114 25		
Warren F. Witherell Co. .	16 00		
Sundry persons . . .	3 75		
		419 72	
Motor service, Cambridge Electric Light Co. . .		61 35	
Paint, oil, turpentine, etc.:—			
E. T. Bynner . . .	$30 60		
Carpenter-Morton Co. .	42 27		
Thomas R. Nevins . .	14 50		
Taylor Mfg. Co. . . .	6 25		
Ernest T. Vocell . . .	5 25		
		98 87	
Sealing fees, Sealer of Weights and Measures Dept. (transfer) . .		1 57	
Soap and laundry supplies:—			
Lysander Kemp & Sons .	$35 82		
National Tripoli Co. . .	24 00		
Rand & Byam . . .	95 56		
Alden Speare's Sons Co. .	6 13		
Standard Chemical Co. .	9 69		
		171 20	
Spectacles:—			
Chas. P. Van Alstine .		12 00	
Stationery, printing and office supplies:—			
Cotton & Gould . . .	$45 08		
Postage and Stationery, etc. (transfer) . . .	16 00		
		61 08	
Subscriptions:—			
James W. Hunnewell . .	$21 00		
J. William Hunt . .	3 90		
		24 90	
Subsistence supplies:—			
Armour Packing Co. . .	$52 20		
Batchelder & Snyder Co. .	13 23		
Boyd, Dalton & Co. . .	1,112 60		
Felix Cazali Co. . .	3 05		
Guy C. H. Carlton . .	346 70		
George Close Co. . .	18 00		
Donnelly & Co. . . .	1,671 77		
Eastern Salt Co. . .	16 50		
Amounts carried forward . .	$3,234 05	$4,504 72	$12,000 00

Public Charity—Continued.

CITY HOME, GENERAL EXPENSES—Concluded.

Amounts brought forward . .	$3,234 05	$4,504 72	$12,000 00
R. S. Edwards & Co. .	328 18		
The Fleischmann Co. . .	36 00		
Chas. H. Fosgate . .	43 80		
F. C. Gemeiner . . .	174 00		
Gillmore & Co. . . .	399 95		
Geo. O. Girard . . .	37 30		
Handschumacher & Co. .	18 36		
Harrison Bros. Co. . .	18 15		
J. A. Hattie & Co. . .	23 80		
Hecker-Jones-Jewell Milling Co.	352 50		
Home Mills Cereal Co. .	25 40		
Andrew J. Lovell & Co. .	65 50		
F. X. Masse . . .	17 35		
Hannah M. Nelligan . .	1,390 44		
New England Mfg. Co. .	307 40		
C. O'Brien	935 33		
J. H. Pierce & Co. . .	75 37		
J. W. Roberts & Co. . .	83 26		
Rockwood, McIntyre & Co.	177 71		
J. Fred Vaughan . . .	73 41		
Chas. F. Wood . . .	54 15		
		7,871 41	
Telephone service . . .		93 80	
Total, including $32.57 transfers			12,469 93
Excess of expenditure over appropriation . .			$469 93
Additional appropriation		$400 00	
Transfer to this appropriation from Salaries		70 00	
			470 00
Balance relinquished to general treasury . .			$0 07

OUTDOOR RELIEF (3.5).

SALARIES.

Appropriation		$3,500 00
EXPENDED.		
For salaries of:—		
Secretary, David P. Muzzey .	$1,500 00	
Clerk, Addie M. Benson .	782 50	
Visitor, Samuel F. Norris .	825 00	
Driver, Michael O'Reagan .	452 50	
Total		3,560 00
Excess of expenditures over appropriation . .		$60 00
Transfer to this account from General Expenses		60 00

Public Charity—Continued.

OUTDOOR RELIEF—Continued.

GENERAL EXPENSES.

Appropriation		$15,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

Aid	$301 53
Board, sundry persons	323 02
Burials, Com. of Mass.	442 74
Ink-well	1 50
Support	2,326 66
Refund of bill	41 40
	$3,436 85

EXPENDED.

For aid to sundry persons:—			
Cash pay roll		$475 99	
By cities and towns:—			
City of Boston	$4,355 08		
Chelsea	29 50		
Everett	225 51		
Fitchburg	104 00		
Haverhill	102 80		
Lawrence	21 00		
Lowell	41 50		
Malden	223 53		
Melrose	75 73		
New Bedford	102 50		
Newburyport	9 50		
Newton	47 52		
Salem	60 00		
Somerville	573 72		
Waltham	118 83		
Town of Hanover	17 20		
Leominster	13 00		
Maynard	65 73		
Reading	86 26		
Rockland	46 40		
Scituate	78 00		
Ware	35 74		
Watertown	18 00		
Weymouth	38 82		
		6,489 87	
Allowance for support of C. M. Russell:—			
Mrs. Annie L. Chester		30 00	
Baskets, bags, twine, etc.:—			
Jos. Breck & Sons Corp.	$11 70		
Wm. H. Claflin & Co.	10 45		
		22 15	
Binding:—			
David Farquhar	$1 50		
Jas. M. Sullivan	6 60		
		8 10	
Amounts carried forward		$7,026 11	$15,000 00

Public Charity—Continued.

OUTDOOR RELIEF, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$7,026 11	$15,000 00
Blankets, Farley, Harvey & Co.		3 50	
Board and care:—			
Com. of Mass. at State Hospital		680 09	
Board and care:—			
Mrs. Mary Begley . .	$80 64		
Cambridge Anti-Tuberculosis Association . . .	12 00		
Cambridge Relief Hospital	200 86		
Carney Hospital . . .	7 86		
The Children's Hospital .	45 00		
The Convalescent Home .	14 00		
Foxborough State Hospital	437 29		
Chester D. Holmes . .	45 50		
Henry O. Holmes . .	31 00		
Holy Ghost Hospital for Incurables . . .	1,370 04		
Hospital Cottages for Children	155 52		
J. E. Kinsella . . .	131 94		
Edith M. Kneeland . .	63 00		
Mass. Hospital for Epileptics	663 57		
Mass. School for the Feeble-Minded	1,154 21		
Mass. State Sanatorium .	308 05		
Sherman Hospital for Incurables	130 00		
Westborough Insane Hospital	72 43		
		4,872 91	
Board and care of insane:—			
Com. of Mass. at Bridgewater State Farm . .	$2,228 51		
Worcester Insane Hospital	410 43		
		2,638 94	
Burials:—			
Cemetery Dept. (transfer) .	$117 00		
Horace D. Litchfield . .	172 40		
Daniel P. Shea . . .	15 00		
		304 40	
Car tickets and transportation:—			
Boston Elevated Ry. Co. .	$325 00		
Boston & Maine R. R. .	51 75		
Chas. E. Goodrow . .	4 43		
Samuel F. Norris . .	9 31		
		390 49	
Carriage and ambulance hire:—			
Chas. W. Dailey . . .	$5 00		
Geo. E. Francis . . .	19 00		
B. S. Walker . . .	5 50		
		29 50	
Amounts carried forward . .		$15,945 94	$15,000 00

Public Charity—Continued.

OUTDOOR RELIEF, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$15,945 94	$15,000 00
Clock repairs:—			
F. A. Colburn . . .		3 00	
Clothing, L. Rosencranz .		7 00	
Directories:—			
W. A. Greenough & Co. .	$12 00		
Sampson & Murdock Co. .	6 00		
		18 00	
Disinfectant:—			
A. Cunningham Drug Co. .	$2 00		
West Disinfecting Co. .	17 50		
		19 50	
Electrical work:—			
F. Bryant & Co. . .	$1 85		
Thomas J. Daly . . .	10 25		
		12 10	
Expressage and freight:—			
Boston & Maine R. R. .	$7 80		
Sundry persons . . .	55		
		8 35	
Fuel, Consumers' Coal Co. .		557 75	
Ice, Central Ice Co. . .		17 46	
Laundry work:—			
Margaret Gaynor . .		2 47	
Lighting:—			
Cambridge Electric Light Co.	$18 97		
Cambridge Gas Light Co. .	14 67		
		33 64	
Linoleum, Wm. Caldwell .		1 75	
Massachusetts Year Book:—			
F. S. Blanchard & Co. .		2 50	
Medical and surgical apparatus and instruments:—			
Geo. E. Gardiner . .	$6 00		
C. H. Goldthwaite & Co. .	9 00		
Robert Josselyn . . .	3 66		
		18 66	
Medicines, drugs, etc.:—			
Frank N. Abare . . .	$27 64		
James A. Bird . . .	4 30		
A. Cunningham Drug Co. .	26 20		
James F. Doherty . .	6 62		
W. B. Hunt Co. . . .	48 65		
Albert W. Kidder . .	12 70		
G. C. Kinsley . . .	6 40		
Elie H. La Pierre . .	4 45		
F. P. Lombard . . .	11 15		
Albert E. Lynch & Co. .	12 70		
Frank K. Lynch . . .	5 20		
Geo. A. Miller . . .	3 00		
C. O'Donnell & Co. . .	12 70		
John B. O'Hara . . .	9 05		
E. H. Patten . . .	33 80		
Amounts carried forward . .	$224 56	$16,648 12	$15,000 00

Public Charity—Continued.

OUTDOOR RELIEF, GENERAL EXPENSES—Continued.

Amounts brought forward . .	$224 56	$16,648 12	$15,000 00
Reeves Bros. . . .	2 30		
Reycroft's Pharmacy . .	5 41		
Samuel H. Talbot . .	9 53		
John A. Tupper . . .	4 95		
J. A. S. Woodrow . .	2 90		
Sundry persons . . .	8 15		
		257 80	
Office furniture:—			
The Macey Co. . .		30 00	
Professional services:—			
Philip M. Fitzsimons, M.D.	$4 00		
J. P. Nelligan, M.D. . .	50 00		
J. R. Sennott, M.D. . .	5 00		
		59 00	
Repairing safe:—			
Chelmsford Foundry Co. .	$1 30		
Morris Ireland Safe Co. .	6 00		
		7 30	
Services as attendants:—			
John T. Cook . . .	$8 00		
Warren H. Dow . . .	18 00		
Edward Gordon . . .	4 00		
John McCauley . . .	14 00		
Fred McLaughlin . .	26 00		
Wm. H. Robertson . .	1 00		
Mrs. Ellen S. Stewart .	16 00		
Dennis J. Sullivan . .	22 00		
		109 00	
Services as nurses:—			
Jessie Cantelo . . .	$20 00		
Mrs. Jennie Dimock . .	10 00		
		30 00	
Soap, Rand & Byam . .		105 94	
Stationery, printing and office supplies:—			
Cotton & Gould . . .	$179 84		
J. A. Cummings Printing Co.	80 76		
Hammond Typewriter Co. .	3 01		
The Macey Co. . . .	4 35		
Postage and Stationery (transfer) . . .	60 00		
		327 96	
Subscription:—			
Pocket Manual Co. . .		1 00	
Subsistence supplies:—			
Boyd, Dalton & Co. . .	$629 49		
J. Cushing & Co. . .	6 30		
R. S. Edwards & Co. . .	150 27		
F. G. Gemeiner . . .	591 50		
Gilmore & Co. . . .	496 03		
Great Western Cereal Co. .	97 50		
Handschumacher & Co. .	193 25		
Amounts carried forward . .	$2,164 34	$17,576 12	$15,000 00

Public Charity—Continued.

OUTDOOR RELIEF, GENERAL EXPENSES—Concluded.

Amounts brought forward . .	$2,164 34	$17,576 12	$15,000 00
Hecker-Jones-Jewell Milling Co.	425 00		
J. H. Pierce & Co. . .	65 28		
J. W. Roberts & Co. . .	93 00		
Rockwood, McIntire & Co.	111 28		
J. Fred Vaughan . .	81 53		
		2,940 43	
Telephone service . . .		180 83	
Transportation of women and children to Ireland:—			
Patrick Crowley . . .		52 50	
Use of man and horse:—			
G. F. Whiting and Co. . .		2 00	
Wagon and harness repairs:—			
M. Cavanagh . . .	$20 00		
T. H. Kneeland . . .	41 69		
		61 69	
Total, including $177.00 transfers . . .			$20,813 57
Excess of expenditures over appropriation . .			$5,813 57
Additional appropriation			6,600 00
			$786 43
Transfer from this account to Outdoor Relief, Salaries		$60 00	
Transfer from this account to House Offal, General Expenses		700 00	
			760 00
Balance relinquished to general treasury . .			$26 43

OUTDOOR RELIEF (3-5).

SALARY OF CITY PHYSICIAN.

Appropriation			$1,500 00
EXPENDED.			
For salary of:—			
City Physician, Wm. G. Brousseau, M.D. . . .		$1,500 00	
Total			1,500 00

Public Charity—Continued.

MISCELLANEOUS (3.9)

STATE AID.

Appropriation $27,600 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

From the the Commonwealth of Massachusetts in reimbursement, in part, of the amount the City has advanced in conformity to the laws of the State, to volunteers and their families, or other dependents of volunteers of the army and navy:—		
For military aid .	$220 50	
State aid . .	14,057 50	
Burials of soldiers and sailors .	560 00	
From sundry persons:—		
Board . . .	353 76	
Money uncalled for on pay-rolls .	270 00	
Relief, Town of Northboro .	66 00	
Relief, Town of No. Attleboro .	34 00	
	$15,561 76	

EXPENDED.

For salary of clerk:—			
Eben W. Pike . . .		$500 00	
State aid	$15,105 00		
Military aid	890 00		
Soldiers' relief	12,092 00		
		28,087 00	
Allowance as burial agent:—			
Eben W. Pike . . .		18 00	
Aid, Town of Pembroke .		55 70	
Board and care:—			
Cambridge Relief Hospital	$224 34		
Com. of Mass. at Worcester Insane Hospital . .	8 00		
Overseers of the Poor (transfer) . . .	398 44		
		630 78	
Burials:—			
John W. Coveney . .	$35 00		
Edwin L. Derby . . .	70 00		
Basil F. Hutchins . .	105 00		
Horace D. Litchfield . .	175 00		
W. W. Marsh . . .	35 00		
David J. Nelligan . .	35 00		
Amounts carried forward . .	$455 00	$29,291 48	$27,600 00

Public Charity—Concluded.

STATE AID—Concluded.

Amounts brought forward . .	$455 00	$29,291 48	$27,600 00
John J. Ross . . .	105 00		
W. A. Taylor . . .	35 00		
J. S. Waterman & Son .	35 00		
		630 00	
Car tickets:—			
Boston Elevated Ry. Co. .		10 00	
Cash expended, Eben W. Pike:—			
Sundries	$7 95		
Rent	5 00		
Bond as guardian . . .	5 00		
		17 95	
Fuel:—			
Appleby & Grant . . .	$10 75		
H. L. Carstein . . .	32 23		
Coleman Bros. . . .	143 61		
		186 59	
Medicines:—			
Adolphus Holton . .	$4 90		
W. B. Hunt Co. . . .	6 70		
		11 60	
Professional services:—			
Wm. G. Brousseau, M.D. .	$18 00		
Jno. E. Dwyer, M.D. . .	2 00		
Charles Hammond, M.D. .	24 50		
C. H. Thomas, M.D. . .	6 00		
		50 50	
Stationery, printing, etc.:—			
Cambridge Chronicle . .	$15 85		
Caustic-Claflin Co. . .	3 50		
Cotton & Gould . . .	5 50		
Postage and Stationery (transfer) . . .	16 87		
		41 72	
Supplies:—			
E. A. Carney . . .	$117 90		
John J. Whalen & Son .	20 00		
		137 90	
Total, including $415.31 transfers . . .			30,377 74
Excess of expenditures over appropriation . .			$3,377 74
Additional appropriation			3,500 00
Balance relinquished to general treasury . .			$122 26

SCHEDULE A-VIII

APPROPRIATIONS AND EXPENDITURES

No. 4

PUBLIC HIGHWAYS AND SANITATION

4. PUBLIC HIGHWAYS AND SANITATION.

ADMINISTRATION (4.1)

ENGINEERING DEPARTMENT.

SALARIES.

Appropriation		$8,800 00

EXPENDED.

For salaries of:—			
City Engineer, L. M. Hastings		$3,000 00	
Assistant engineers:—			
Henry T. Burrage	$1,063 49		
Geo. Davis	1,473 60		
Assistant on street work:—			
G. F. Hooker	1,074 50		
Assistant on sewer work:—			
F. B. Williams	252 00		
		3,863 59	
Transit-men:—			
R. L. Coolidge	$608 62		
G. H. Cloyes, Jr.	337 50		
Fred D. Sabin	182 00		
		1,128 12	
Rod-men:—			
Mayberry Bryant	$130 87		
C. W. Burrage	14 62		
J. A. Close	56 25		
Edgar W. Davis	88 00		
Wm. McLaughlin	2 66		
		292 40	
Clerk, Mary E. Rowen		398 73	
Total			8,682 84
Surplus of appropriation			$117 16
Transfer from this account to general expenses			50 00
Balance relinquished to general treasury			$67 16

GENERAL EXPENSES.

Appropriation			$850 00

EXPENDED.

For apparatus, instruments and repairs:—			
Barbour-Stockwell Co.	$5 41		
C. L. Berger & Sons	14 65		
E. T. Bynner	3 70		
Frost & Adams Co.	36 11		
B. L. Makepeace	14 00		
Sundry persons	3 25		
		77 12	
Amounts carried forward		$77 12	$850 00

Public Highways and Sanitation—Continued.

ENGINEERING DEPARTMENT, GENERAL EXPENSES—Concluded.

Amounts brought forward		$77 12	$850 00
Binding:—			
Boston Bookbinding Co.	$6 00		
Cotton & Gould	19 75		
		25 75	
Car tickets:—			
Boston Elevated Ry. Co.		275 00	
Expressage, sundry persons		6 60	
Half-tones:—			
Folsom & Sunergren		50 00	
Hardware, tools and repairs and supplies:—			
E. T. Bynner	$9 19		
Louis W. Cutting Co.	7 04		
James Maitland	3 60		
Walter E. Merrill	8 51		
H. J. Shaw	1 40		
		29 74	
Photographic goods, blue prints, etc.:—			
Wm. B. Hunt Co.	$11 86		
Chas. E. Moss	3 55		
Geo. F. Schwartz	85		
Spaulding Print Paper Co.	5 88		
John H. Thurston	1 00		
		23 14	
Plumbing, Herbert L. Rose		3 40	
Record sheets for rain gauge:—			
S. P. Ferguson		3 00	
Stationery, printing and drawing materials:—			
Cambridge Chronicle	$30 00		
Cotton & Gould	37 80		
J. A. Cummings Printing Co.	15 66		
Frost & Adams Co.	54 08		
B. L. Makepeace	44 58		
Alfred Mudge & Son	30 75		
Spaulding Print Paper Co.	1 06		
Postage and Stationery (transfer)	48 54		
		262 47	
Subscriptions:—			
Engineering News Pub. Co.	$5 00		
Engineering Record	3 00		
Municipal Engineering Co.	2 00		
		10 00	
Telephone service		132 76	
Total, including $48.54 transfers			898 98
Excess of expenditures over appropriation			$48 98
Transfer to this account from Engineering Dept., Salaries			50 00
Balance relinquished to general treasury			$1 02

Public Highways and Sanitation—Continued.

ADMINISTRATION (4.1)

SALARIES OF SUPERINTENDENT OF STREETS AND CLERKS.

Appropriation			$6,260 00
	EXPENDED.		
For salaries of:—			
Superintendent:—			
Geo. M. Clukas		$2,000 00	
Office clerks:—			
Henry P. Fielding	$1,400 00		
Adah N. Bowles	604 00		
Maude E. Foster	636 00		
Mary L. Heanue	43 00		
		2,683 00	
Yard clerks:—			
T. P. Clarke	$795 00		
John H. Holt	795 00		
		1,590 00	
Total			6,273 00
Excess of expenditure over appropriation			13 00
Transfer to this appropriation from Boston Bridges, Salaries			13 00

OPENING, GRADING AND WIDENING STREETS (4.2)

LAND DAMAGES.

Appropriation			$17,640 26
	EXPENDED.		
For general expenses:—			
Examination of titles, etc.:—			
Wm. V. Thompson $110 00			
Geo. D. Wildes 55 00			
	$165 00		
Recording deeds:—			
Edwin O. Childs, Register	16 80		
		$181 80	
Laurel street:—			
Land and damage:—			
Mary Downing		400 00	
Massachusetts avenue:—			
Land and damage:—			
Charles Bullock	$1,200 00		
John H. Corcoran	9,000 00		
Chas. James	1,250 00		
Grace M. Norris	2,900 00		
Lewis H. Phillips	1,800 00		
Lewis H. and Charles L. Phillips	1,400 00		
		17,550 00	
Amounts brought forward		$18,131 80	$17,640 26

Public Highways and Sanitation—Continued.

LAND DAMAGES—Concluded.

Amounts brought forward . .	$18,131 80	$17,640 26
Lowland avenue:—		
Land and damage:—		
John L. Axtman . . .	250 00	
Damage from construction of channels beside Wellington brook:—		
Bertha Brodie . . .	100 00	
Albany street:—		
Damages:—		
Horace B. Shepard, et al. .	1,200 00	
Total		19,681 80
Excess of expenditures over appropriation . .		$2,041 54
Additional appropriations	$15,450 00	
Transfer to this account from Otis and Osborn streets	1,552 98	
		17,002 98
Balance relinquished to general treasury . .		$14,961 44

OPENING, GRADING AND WIDENING STREETS (4.2)

BOARD OF SURVEY.

Appropriation			$175 00
EXPENDED.			
For salary of clerk:—			
John McDuffie . . .		$75 00	
Advertising:—			
Cambridge Chronicle . .	$7 63		
Cambridge Sentinel . .	42 25		
Times Publishng Co. . .	17 50		
		67 38	
Carriage hire:—			
J. J. Callahan . . .	$5 00		
John J. Corkery . . .	6 00		
James McGovern . .	5 00		
G. F. Whiting & Co. . .	6 00		
		22 00	
Stationery and printing:—			
Cambridge Chronicle . .	$1 50		
J. A. Cummings Printing Co.	6 85		
		8 35	
Typewriting:—			
Elizabeth M. Connell . .		2 00	
Total			174 73
Surplus of appropriaton relinquished to general treasury			$0 27

Public Highways and Sanitation—Continued.

OPENING, GRADING AND WIDENING STREETS (4.2)

STREET CONSTRUCTION—SUNDRY STREETS.

Appropriaton				$6,925 49
	EXPENDED.			
For labor, sundry persons, as per pay roll			$2,201 66	
Bitulithic surface:—				
Warren Bros. Co.			738 36	
Car service:—				
Boston & Maine R. R.			19 00	
Cement:—				
Curtis & Pope Lumber Co.			89 00	
Filling:—				
Frank McDermott		$86 25		
Henry Warnock		106 50		
			192 75	
Fuel, Consumers' Coal Co.			88 49	
Gravel, sand and freight:—				
Boston & Maine R. R.		$137 97		
John T. Scully Foundation & Transportation Co.		494 35		
			632 32	
Hardware, tools, and supplies:—				
Dodge-Haley Co.			9 92	
Hay, grain and straw:—				
J. Cushing Co.			93 84	
Lighting:—				
Lanterns, H. Pill & Bro.		$22 50		
Oil:—				
Thomas R. Nevins	$59 85			
Standard Oil Co. of N. Y.	14 40			
		74 25		
			96 75	
Printing, Cambridge Chronicle			5 50	
Stone:—				
Crushed stone:—				
Mass. Broken Stone Co.	$667 81			
Wm. J. McCarthy	176 57			
Waltham Trap Rock Co.	100 98			
		945 36		
Edgestone, John J. Horgan		46 00		
Granite flagging:—				
John J. Horgan		21 00		
Granite paving blocks:—				
S. & R. J. Lombard		1,239 17		
			2,251 53	
Teaming, sundry persons, as per pay-roll			497 50	
Total				6,916 62
Surplus of appropriation relinquished to general treasury				$8 87

Public Highways and Sanitation—Continued.

STREET CONSTRUCTION — ALLSTON STREET AND OTHERS.

Appropriation			$3,500 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$773 95	
Fuel, Consumers' Coal Corp.		28 10	
Freight on gravel:—			
Boston & Maine R. R.		28 35	
Hay, grain and straw:—			
J. Cushing & Co.		227 50	
Lighting, Thomas R. Nevins		12 00	
Stone:—			
Crushed stone:—			
Wm. J. McCarthy Co.	$11 06		
Edgestone:—			
S. & R. J. Lombard	407 60		
Fieldstone, sundry persons, as per pay-roll	193 15		
Gutter stone:—			
S. & R. J. Lombard	241 67		
		853 48	
Teaming, sundry persons, as per pay-roll		105 00	
Total			2,028 38
Surplus of appropriation relinquished to general treasury			$1,471 62

STREET CONSTRUCTION— CHARLES STREET.

Appropriation			$2,700 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$665 17	
Gravel and freight:—			
Boston & Maine R. R.	$5 53		
Wm. B. Mullen	54 27		
John T. Scully Foundation and Transportation Co.	74 65		
		134 45	
Lighting:—			
Standard Oil Co. of N. Y.		12 60	
Stone:—			
Granite paving blocks:—			
S. & R. J. Lombard		1,441 43	
Teaming, sundry persons, as per pay-roll		48 13	
Total			2,301 78
Surplus of appropriation transferred to Construction, Somerville Avenue			$398 22

Public Highways and Sanitation—Continued.

STREET CONSTRUCTION — HOUGHTON STREET AND OTHERS.

Appropriation			$18,500 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$5,635 27	
Bricks, New Eng. Brick Co.		22 38	
Filling, H. J. Bushway		36 50	
Fuel, Consumers' Coal Co.		107 64	
Gravel and freight:—			
Boston & Maine R. R.	$97 30		
Wm. B. Mullen	937 15		
		1,034 45	
Hardware, tools and supplies:—			
Ames Plow Co.	$11 52		
E. T. Bynner	24 50		
Geo. W. Gale Lumber Co.	14 00		
		50 02	
Hay, grain and straw:—			
J. Cushing & Co.		843 95	
Lighting:—			
H. Pill & Bro.	$6 00		
Thomas R. Nevins	9 15		
Standard Oil Co. of N. Y.	7 20		
		22 35	
Lumber for fence:—			
E. R. Dix		17 85	
Oatmeal, F. E. Carman		6 85	
Steam-roller repairs and supplies:—			
Dyar Supply Co.	$10 44		
A. H. Hews & Co.	18 76		
Mead-Morrison Mfg. Co.	19 00		
Valvoline Oil Co.	50 00		
		98 20	
Stone:—			
Cobble stone:—			
Sherman-Moore Co.	$21 19		
Crushed stone:—			
Mass. Broken Stone Co. $864 65			
Wm. J. McCarthy Co. 5 13			
	869 78		
Edgestone:—			
S. & R. J. Lombard	2,191 26		
Field stone, sundry persons, as per pay-roll	683 12		
Granite paving blocks:—			
S. & R. J. Lombard	2,618 75		
Gutter stone:—			
S. & R. J. Lombard	891 88		
		7,275 98	
Amounts carried forward		$15,151 44	$18,500 00

Public Highways and Sanitation—Continued.

STREET CONSTRUCTION, HOUGHTON STREET AND OTHERS—Concluded.

Amounts brought forward . .		$15,151 44	$18,500 00
Teaming, sundry persons, as per pay-roll . . .		1,525 63	
Total			16,677 07
Surplus of appropriation relinquished to general treasury			$1,822 93

STREET CONSTRUCTION—OSBORN STREET.

Appropriation			$6,200 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$1,524 66	
Gravel, Wm. B. Mullen . .		208 26	
Hardware, tools and supplies:—			
Ames Plow Co. . . .	$12 25		
Dodge-Haley Co. . . .	10 00		
		22 25	
Lighting:—			
H. Pill & Bro. . . .	$28 00		
Standard Oil Co. of N. Y. .	13 05		
		41 05	
Stone:—			
Edgestone:—			
S. & R. J. Lombard . .	$291 39		
Granite paving blocks:—			
John J. Horgan . . .	2,816 63		
		3,108 02	
Teaming, sundry persons, as per pay-roll . . .		464 38	
Total			5,368 62
Surplus of appropriation transferred to Land Damages			$831 38

STREET CONSTRUCTION—OTIS STREET.

Appropriation			$5,100 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$1,066 62	
Gravel and freight:—			
Boston & Maine R. R. .	$57 81		
Wm. B. Mullen . . .	146 27		
		204 08	
Hardware, tools and supplies:—			
Bruce R. Ware . . .		10 80	
Amounts carried forward . .		$1,281 50	$5,100 00

Public Highways and Sanitation—Continued.

STREET CONSTRUCTION, OTIS STREET—Concluded.

Amounts brought forward . .		$1,281 50	$5,100 00
Lighting:—			
Standard Oil Co. of N. Y. .		13 50	
Stone:—			
Edgestone:—			
S. & R. J. Lombard . .	$420 03		
Granite paving blocks:—			
John J. Horgan . . .	2,447 74		
		2,867 77	
Teaming, sundry persons, as per pay-roll . . .		215 63	
Total			4,378 40
Surplus of appropriation transferred to Land Damages			$721 60

STREET CONSTRUCTION—SIDNEY STREET.

Appropriation			$18,000 00
EXPENDED.			
For labor, sundry persons as per pay-roll		$4,229 57	
Bricks, New Eng. Brick Co. .		136 49	
Catch-basin traps, frames, covers, etc.:—			
New England Broom Co. .	$42 50		
Sessions Foundry Co. . .	138 00		
Sewer Dept. (transfer) .	18 03		
		198 53	
Cement, Fiske & Co. . .		48 00	
Gravel and freight:—			
Boston & Maine R. R. .	$28 42		
Wm. B. Mullen . . .	494 28		
		522 70	
Hardware, tools and supplies:—			
E. T. Bynner . . .	$1 30		
Dodge-Haley Co. . . .	20 30		
Dyar Supply Co. . . .	5 25		
		26 85	
Hay, grain and straw:—			
J. Cushing & Co. . .		224 83	
Lighting:—			
Standard Oil Co. of N. Y. .		9 00	
Lumber:—			
Geo. W. Gale Lumber Co. .		1 71	
Stone:—			
Edgestone:—			
S. & R. J. Lombard . .	$1,454 75		
Granite flagging:—			
John J. Horgan . . .	205 45		
Amounts carried forward . .	$1,660 20	$5,397 68	$18,000 00

Public Highways and Sanitation—Continued.

STREET CONSTRUCTION, SIDNEY STREET—Concluded.

Amounts brought forward . .	$1,660 20	$5,397 68	$18,000 00
Granite paving bricks:— S. & R. J. Lombard . .	8,883 75		
		10,543 95	
Teaming, sundry persons, as per pay-roll . . .		1,005 00	
Total, including $18.03 transfers			16,946 63
Surplus of appropriation transferred to Somerville Avenue			$1,053 37

STREET CONSTRUCTION—SOMERVILLE AVENUE.

Appropriation transferred from Charles and Sidney streets . $1,451 59

EXPENDED.

For labor, sundry persons, as per pay-roll	$201 25	
Total		201 25
Surplus of appropriation relinquished to general treasury		$1,250 34

STREET PAVING (4.3)

STREET MAINTENANCE.

Appropriation $65,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For apples . . .	$3 90
Horses . .	25 00
Horse board .	162 00
Horseshoeing .	92 01
Labor and materials . . .	221 19
Old materials .	165 63
Paving blocks .	17 30
Permit fees . .	24 00
Sand and scrapings . . .	54 00
Stone and cement	10 42
Stone dust . .	32 92
Vitrified bricks .	7 50
	$815 87

Amount carried forward . . $65,000 00

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amount brought forward . .			$65,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$38,135 65	
Bicycle repairs, W. L. Potter .		31 85	
Carriage and wagon repairs:—			
G. W. Burditt . . .	$27 10		
M. Cavanagh . . .	4 25		
Dodge-Haley Co. . . .	341 94		
Duff Spring Co. . . .	3 90		
Geo. W. Hale Lumber Co. .	9 50		
Ira G. Hersey . . .	6 23		
F. Ivers & Son . . .	25 75		
Stephen J. Moran . .	37 85		
Chas. Waugh & Co. . .	124 35		
Sundry persons . . .	4 85		
		585 72	
Fuel:—			
Consumers' Coal Co. . .	$1,215 44		
Consumers' Coal Corp. .	46 70		
A. H. Hews & Co., Inc. .	31 02		
		1,293 16	
Gravel and freight:—			
Boston & Maine R. R. .	$36 63		
Jeremiah Long . . .	22 65		
Est. of John McGuinness .	40 13		
Wm. B. Mullen . . .	63 74		
Mrs. R. L. Richardson .	76 95		
		240 10	
Hardware, tools and repairs, and supplies:—			
Jos. Breck & Sons, Corp. .	$6 75		
Brock Bros. . . .	62 88		
E. T. Bynner . . .	105 67		
Dodge-Haley Co. . . .	129 11		
Edson Mfg. Co. . . .	14 50		
Electric Diamond Grinder Co.	8 50		
Walter W. Field . . .	16 23		
Geo. W. Gale Lumber Co. .	13 55		
A. M. Loker . . .	40 30		
Moynahan & Co. . .	12 90		
T. J. O'Brien . . .	8 50		
Daniel J. Sullivan . .	11 60		
Sundry persons . . .	5 34		
		435 83	
Harness and repairs and horse clothing:—			
E. T. Bynner . . .	$2 95		
Nelson T. Cabana . .	139 10		
M. Cavanagh . . .	147 85		
James Curry . . .	15 75		
Owen Doherty . . .	104 20		
Amounts carried forward . .	$409 85	$40,722 31	$65,000 00

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amounts brought forward . .	$409 85	$40,722 31	$65,000 00
Harvard Harness Store .	10 70		
Hugh McCaffrey . . .	96 30		
Sartwell, Heinold & Humphrey	173 63		
		690 48	
Hay, grain and straw:—			
J. Cushing & Co. . . .	$5,020 89		
Robert Fawcett & Son .	1,262 02		
E. R. Luke & Co. . .	648 05		
		6,930 96	
Horseshoeing, stock and tools, and horse clipping:—			
Dodge-Haley Co. . . .	$415 12		
Harvard Horse Clipping Co.	3 00		
Fred D. Norton . . .	7 50		
Sundry persons . . .	2 00		
		427 62	
Lighting:—			
Electric lighting at stables, Cambridge Electric Light Co.	$376 80		
Lanterns, oil, etc., sundry persons	11 00		
Rep. lighting apparatus, Bryant & Co. . . .	15 16		
		402 96	
New equipment:—			
Goddard buggy, Chas. Waugh & Co. . . .	$260 00		
Horses, Welch & Hall Co.	450 80		
		710 80	
Office expenses and telephone service:—			
Advertising:—			
Cambridge Chronicle . .	$30 75		
Directory:—			
W. A. Greenough & Co. .	4 00		
Stationery, printing and office supplies:—			
Fred L. Beunke .	$2 67		
Cambridge Chronicle . . .	48 50		
Cotton & Gould .	153 79		
J. A. Cummings Printing Co. .	26 74		
J. Frank Facey .	58 50		
J. L. Fairbanks & Co. . .	8 50		
David Farquhar .	8 25		
Pneumatic Hand Stamp Co. .	3 25		
Louis F. Weston	22 75		
Amounts carried forward	$332 95	$34 75	$49,885 13	$65,000 00

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amounts brought forward	$332 95	$34 75	$49,885 13	$65,000 00
Postage and Stationery (transfer) . . .	138 06			
		471 01		
Telephone service . .		269 90		
Typewriter repairs, Smith Premier Typewriter Co. .		2 60		
Sundries		3 02		
			781 28	
Painters' supplies:—				
Brock Bros. . . .		$16 85		
E. T. Bynner . . .		288 15		
Wadsworth, Howland & Co.		24 64		
C. A. Willey Co. . .		7 00		
			336 64	
Renewals and repairs, stables, etc.:—				
John J. Blevins . . .		$4 50		
Brock Bros.		48 52		
E. T. Bynner . . .		27 28		
Chas. A. Claflin & Co. .		12 77		
Dodge-Haley Co. . . .		5 50		
Geo. W. Gale Lumber Co.		260 71		
Ira G. Hersey . . .		7 83		
A. H. Hews & Co. . .		10 56		
Moynahan & Co. . . .		37 30		
Priest, Page & Co. . .		7 00		
Wm. H. Wood & Co. . .		21 54		
Sealer of Weights and Measures (transfer) . . .		3 98		
Sundry persons . . .		3 65		
			451 14	
Repairs on Raymond Street Subway:—				
Bryant & Co. . . .		$21 00		
Henry F. Farrow & Co. .		2 20		
			23 20	
Stable supplies:—				
Brock Bros. . . .		$7 28		
A. and E. Burton & Co. .		30 00		
E. T. Bynner . . .		39 95		
Columbia Refining Co. .		16 03		
A. C. Curtis . . .		6 65		
Dyar Supply Co. . .		38 67		
Fresh Pond Ice Co. . .		22 05		
Geo. W. Gale Lumber Co. .		4 40		
Henry S. Harris & Son .		13 75		
G. C. Kinsley . . .		3 00		
Lever Bros. Co. . . .		7 60		
F. X. Masse . . .		13 83		
W. W. Reid Mfg. Co. . .		5 00		
Amounts carried forward . .		$208 21	$51,477 39	$65,000 00

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amounts brought forward . .	$208 21	$51,477 39	$65,000 00
Wm. H. Wood & Co. . .	4 80		
Sundry persons . . .	4 75		
		217 76	
Steam-rollers, repairs and supplies:—			
Barbour-Stockwell Co. .	$194 58		
Boston & Maine R. R. .	4 46		
Boston Engineers' Supply Co.	18 96		
Brock Bros.	8 88		
Buffalo Steam-Roller Co. .	30 00		
Chas. A. Claflin & Co. .	170 82		
Dodge-Haley Co. . .	5 85		
Walter W. Field . . .	205 90		
A. H. Hews & Co. . .	128 32		
Kelly-Springfield Road Roller Co.	490 00		
Mead-Morrison Mfg. Co. .	60 00		
Standard Brazing Co. . .	5 00		
J. H. Strain Co. . . .	14 84		
T. Stuart & Son Co. . .	12 00		
Sundries	2 37		
		1,351 98	
Stone crushers, repairs and supplies:—			
E. B. Badger & Sons Co. .	$60 00		
Boston Engineers' Supply Co.	149 43		
Chas. A. Claflin & Co. .	52 23		
Dodge-Haley Co. . . .	11 76		
A. H. Hews & Co. . .	26 35		
Moynahan & Co. . . .	27 17		
Thomas P. O'Neil . .	9 60		
Roberts Iron Works Co. .	14 66		
Taylor Iron and Steel Co. .	529 33		
Sundries	3 20		
		883 73	
Stone:—			
Crushed stone:—			
Mass. Broken Stone Co. . . $5,967 24			
Wm. J. McCarthy Co. . . . 87 50			
Waltham Trap Rock Co. . . 165 30			
	$6,220 04		
Fieldstone, sundry persons, as per pay-roll . .	2,178 69		
		8,398 73	
Street signs:—			
Geo. W. Gale Lumber Co. .		153 50	
Teaming, sundry persons, as per pay-roll . . .		2,273 13	
Amounts carried forward . .		$64,756 22	$65,000 00

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amounts brought forward . .		$64,756 22	$65,000 00
Miscellaneous:—			
Bunting, J. H. Corcoran .	$8 53		
Car tickets, Boston Elevated Railway Co. . . .	10 00		
Cash expended for sundries, Geo. M. Clukas . . .	3 45		
Housing top-mast, Boston Flag Pole Co. . . .	7 00		
Lumber for fence at dump, Etc.:—			
Geo. W. Gale Lumber Co. .	35 82		
Resetting topmast and repairing halliards:—			
Daniel Marr & Son . .	18 60		
Repairing flag, Hugh McCaffrey	2 35		
Removing horses in ambulance:—			
New England Rendering Co.	10 00		
Traveling expenses, Geo. M. Clukas	18 11		
Sundries	5 45		
		119 31	
Total, including $142.04 transfers . . .			64,875 53
Surplus of appropriation			$124 47
Transfer from this appropriation to Collection of Ashes		$800 00	
Transfer to this appropriation from Cambridge street		800 00	
Balance relinquished to general treasury . .			$124 47

STREET MAINTENANCE.

For resurfacing District I:—			
Amherst Street between Massachusetts Avenue and end of Riverbank Court:—			
Labor	$34 00		
Materials	280 00		
Teaming	130 00		
		$444 00	
Auburn Street between Magazine and Pearl Streets:—			
Labor	$120 75		
Materials	260 00		
Teaming	102 50		
		483 25	
Amount carried forward . .		$927 25	

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amount brought forward . .		$927 25
Bristol Street, between Portland Street and Webster Avenue:—		
Labor	$51 00	
Materials	282 00	
Teaming	105 00	
		438 00
Broadway, south side, between Windsor and Prospect Streets:—		
Labor	$166 00	
Materials	332 50	
Teaming	105 00	
		603 50
Burleigh Street, between Washington Street and Broadway:—		
Labor	$106 50	
Materials	387 50	
Teaming	135 00	
		629 00
Carlisle Street, between Prospect and Tremont Streets:—		
Labor	$54 25	
Materials	182 50	
Teaming	55 00	
		291 75
Dodge Street, between Western Avenue and Grigg Street:—		
Labor	$38 50	
Materials	87 50	
Teaming	30 00	
		156 00
Eighth Street, between Cambridge and Thorndike Streets:—		
Labor	$33 00	
Materials	185 00	
Teaming	60 00	
		278 00
Elm Street, between Broadway and Hampshire Street:—		
Labor	$58 00	
Materials	370 00	
Teaming	145 00	
		573 00
Elm Street, between Cambridge Street and Webster Avenue:—		
Labor	$41 00	
Materials	206 50	
Teaming	95 00	
		342 50
Amount carried forward . .		$4,239 00

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amount brought forward . .		$4,239 00
Elm Street, between Harvard Street and Broadway:—		
Labor	$93 00	
Materials	202 50	
Teaming	67 50	
		363 00
Franklin Street, between Pearl and Pleasant Streets:—		
Labor	$111 75	
Materials	280 00	
Teaming	62 50	
		454 25
Green Street, between Hancock and Sidney Streets:—		
Labor	$411 88	
Materials	1,078 25	
Teaming	509 25	
		1,999 38
Hayes Street, between Putnam Avenue and Howard Street:—		
Labor	$68 00	
Materials	455 50	
Teaming	215 00	
		738 50
Kenwood Street, between Putnam Avenue and Magazine Court:—		
Labor	$10 00	
Materials	67 50	
Teaming	30 00	
		107 50
Line Street, at Magnolia Avenue:—		
Labor	$19 25	
Materials	67 50	
Teaming	37 00	
		123 75
Magazine Street, between Green Street and Putnam Avenue:—		
Labor	$635 13	
Materials	1,363 75	
Teaming	575 00	
		2,573 88
Massachusetts Avenue, north side, between Central Square and Inman Street:—		
Labor	$142 88	
Materials	207 50	
Teaming	105 00	
		455 38
Amount carried forward . .		$11,054 64

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amount brought forward . .		$11,054 64
Otis Street, between Second and Sixth Streets:—		
Labor	$476 13	
Materials	1,067 50	
Teaming	453 50	
		1,997 13
Pleasant Street, between Putnam Avenue and Florence Street:—		
Labor	$11 00	
Materials	30 00	
Teaming	15 00	
		56 00
Pleasant Street, between Putnam bridge Street and Somerville Line:—		
Labor	$20 00	
Materials	102 50	
Teaming	20 00	
		142 50
Sidney Street, between Putnam Avenue and Allston Street:—		
Labor	$12 00	
Materials	82 50	
Teaming	35 00	
		129 50
Sixth Street, between Gore and Cambridge Streets:—		
Labor	$58 38	
Materials	170 00	
Teaming	63 50	
		291 88
Talbot Street, between Waverley Street and B. & A. R. R.:—		
Labor	$38 00	
Materials	100 00	
Teaming	45 00	
		183 00
Vine Street, between Second Street and Lowland Avenue:—		
Labor	$79 50	
Materials	227 00	
Teaming	102 50	
		409 00
Waverley Street, between Erie Street and Putnam Avenue:—		
Labor	$189 00	
Materials	760 00	
Teaming	337 00	
		1,286 00
Amount carried forward . .		$15,549 65

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amount brought forward . .		$15,549 65	
Worcester Street, between Norfolk and Columbia Streets:—			
Labor	$22 00		
Materials	105 00		
Teaming	55 00		
		182 00	
			15,731 65
For resurfacing District II:—			
Agassiz Street, between Lancaster and Linnaean Street:—			
Labor	$18 75		
Materials	33 50		
Teaming	28 50		
		80 75	
Berkeley Street, between Craigie Street and Phillips Place:—			
Labor	$60 38		
Materials	478 00		
Teaming	150 00		
		688 38	
Buena Vista Park, between Richdale Avenue and Upland Road:—			
Labor	$90 00		
Materials	230 75		
Teaming	58 00		
		378 75	
Cogswell Avenue, between Massachusetts Avenue and Mead Street:—			
Labor	$54 75		
Materials	240 00		
Teaming	72 00		
		366 75	
Cottage Park Avenue, between Massachusetts Avenue and end:—			
Labor	$43 75		
Materials	97 50		
Teaming	33 50		
		174 75	
Dover Street, between Massachusetts Avenue and Somerville Line:—			
Labor	$30 75		
Materials	160 00		
Teaming	53 50		
		244 25	
Farwell Place, between Brattle Street and end:—			
Labor	$67 25		
Materials	139 50		
Teaming	55 00		
		261 75	
Amounts carried forward . .		$2,195 38	$15,731 65

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amounts brought forward . .		$2,195 38	$15,731 65
Follen Street, between Waterhouse Street and Concord Avenue:—			
Labor	$78 00		
Materials	350 50		
Teaming	120 50		
		549 00	
Garden Street, between Wyeth Square and Walden Street:—			
Labor	$172 25		
Materials	392 25		
Teaming	170 00		
		734 50	
Harvey Street, between Montgomery and Clifton Streets:—			
Labor	$154 75		
Materials	194 50		
Teaming	119 25		
		468 50	
Humboldt Street, between Lancaster and Linnaean Streets:—			
Labor	$13 25		
Materials	44 00		
Teaming	13 50		
		70 75	
Huron Avenue, between Lakeview and Lexington Avenues:—			
Labor	$65 00		
Materials	201 00		
Teaming	62 50		
		328 50	
Huron Avenue, between Raymond Street and Upland Road:—			
Labor	$67 25		
Materials	197 50		
Teaming	66 25		
		331 00	
Lancaster Street, between Massachusetts Avenue and Washington Avenue:—			
Labor	$45 50		
Materials	268 50		
Teaming	85 50		
		399 50	
Linnaean Street, between Raymond and Garden Streets:—			
Labor	$47 75		
Materials	406 50		
Teaming	167 00		
		621 25	
Amounts carried forward . .		$5,698 38	$15,731 65

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Continued.

Amounts brought forward . .		$5,698 38	$15,731 65
Orchard Street, between Blake and Davenport Streets:—			
Labor	$76 00		
Materials	306 75		
Teaming	100 50		
		483 25	
Oxford Avenue, between Fairview Avenue and Belmont Line:—			
Labor	$81 50		
Materials	71 00		
Teaming	87 50		
		240 00	
Porter Road, at City Scales:—			
Labor	$13 38		
Materials	47 50		
Teaming	18 50		
		79 38	
Railroad Street, between Middlesex Street and Yerxa Road:—			
Labor	$136 50		
Materials	47 50		
Teaming	47 25		
		231 25	
Raymond Street, between Upland Road and Linnaean Street:—			
Labor	$180 25		
Materials	630 00		
Teaming	148 75		
		959 00	
Richdale Avenue, between foot of hill and Upland Road:—			
Labor	$152 50		
Materials	306 25		
Teaming	150 00		
		608 75	
Rindge Avenue, between Sherman and Clifton Streets:—			
Labor	$140 88		
Teaming	30 00		
		170 88	
Sargent Street, between Railroad Street and Rindge Avenue:—			
Labor	$62 00		
Materials	226 50		
Teaming	69 75		
		358 25	
Sherman Street, between Huron Avenue and Walden Street:—			
Labor	$160 75		
Materials	360 00		
Teaming	145 75		
		666 50	
Amounts carried forward . .		$9,495 64	$15,731 65

Public Highways and Sanitation—Continued.

STREET MAINTENANCE—Concluded.

Amounts brought forward . .		$9,495 64	$15,731 65
Somerville Avenue, between Massachusetts Avenue and Somerville Line:—			
Labor	$16 50		
Materials	36 25		
Teaming	15 00		
		67 75	
Stearns Street, between Sherman and Garden Streets:—			
Labor	$22 50		
Materials	42 50		
Teaming	20 50		
		85 50	
Tannery Street, between Somerville Line and Massachusetts Avenue:—			
Labor	$81 00		
Materials	431 50		
Teaming	120 50		
		633 00	
Walden Street, between Railroad Bridge and Massachusetts Avenue:—			
Labor	$149 75		
Materials	174 50		
Teaming	97 00		
		421 25	
Walden Street, between Raymond and Garden Streets:—			
Labor	$397 75		
Materials	1,091 50		
Teaming	399 25		
		1,888 50	
Winthrop Street, between Boylston and Holyoke Streets:—			
Labor	$57 50		
Materials	111 00		
Teaming	48 75		
		217 25	
			12,808 89
			$28,540 54

Public Highways and Sanitation—Continued.

STREET PAVING (4.3)

CROSSINGS.

Appropriation			$3,000 00
EXPENDED.			
For labor, sundry persons, as per pay roll		$1,309 80	
Cement, Fiske & Co.		192 00	
Gravel, Wm. B. Mullen		69 50	
Hardware, tools and repairs, and supplies:—			
Brock Bros.		15 00	
Stone:—			
Granite flagging:—			
John J. Horgan	$262 64		
Granite paving blocks:—			
S. & R. J. Lombard	179 20		
		441 84	
Teaming, sundry persons, as per pay-roll		437 50	
Vitrified paving blocks and freight:—			
Met. Paving Brick Co.	$95 67		
N. Y. Central & Hudson River R. R. Co.	100 96		
		196 63	
Total			2,662 27
Surplus of appropriation			$337 73
Transfer from this appropriation to Street Cleaning			337 00
Balance relinquished to general treasury			$0 73

STREET PAVING (4.3)

REBUILDING SUNDRY STREETS.

Appropriation			$3,722 19
EXPENDED.			
For labor, sundry persons, as per pay-roll		$504 87	
Gravel, Est. of Chas. Linehan		4 00	
Hardware, G. W. Burditt		6 40	
Hassam pavement:—			
Hassam Paving Co.	$46 91		
Simpson Bros.' Corporation	1,319 40		
		1,366 31	
Lighting, H. Pill & Bro.		3 00	
Amounts carried forward		$1,884 58	$3,722 19

Public Highways and Sanitation—Continued.

REBUILDING SUNDRY STREETS—Concluded.

Amounts brought forward . .		$1,884 58	$3,722 19
Stone:—			
Crushed stone:—			
Mass. Broken Stone Co. .	$1,322 79		
A. J. & G. H. McMurtry .	307 08		
		1,629 87	
Teaming, sundry persons, as per pay-roll		205 00	
Total			3,719 45
Surplus of appropriation relinquished to general treasury			$2 74

REBUILDING BRIDGE STREET.

Appropriation			$4,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$493 88	
Gravel and freight:—			
Wm. B. Mullen . . .	46 34		
Boston & Maine R. R. .	17 82		
		64 16	
Teaming, sundry persons, as per pay-roll		93 75	
Total			651 79
Surplus of appropriation transferred to Street Cleaning			$3,348 21

REBUILDING CAMBRIDGE STREET.

Appropriation			$11,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$6,210 99	
Gravel and freight:—			
Boston & Maine R. R. .	$39 39		
Wm. B. Mullen . . .	587 15		
		626 54	
Hardware, tools and supplies:—			
E. T. Bynner . . .	$10 90		
Geo. W. Gale Lumber Co.	10 98		
W. L. Potter . . .	4 25		
		26 13	
Hay, grain and straw:—			
R. Costello	$160 76		
J. Cushing & Co. . . .	353 13		
		513 89	
Amounts carried forward . .		$7,377 55	$11,000 00

Public Highways and Sanitation—Continued.

REBUILDING CAMBRIDGE STREET—Concluded.

Amounts brought forward . .		$7,377 55	$11,000 00
Lighting:—			
H. Pill & Bro. . . .	$3 05		
Standard Oil Co. of N. Y. .	11 70		
		14 75	
Teaming, sundry persons, as per pay-roll		626 25	
Total			8,018 55
Surplus of appropriation			$2,981 45
Transfers from this appropriation:—			
To Rebuilding First Street . . .		$1,000 00	
To Maintenance		800 00	
			1,800 00
Balance relinquished to general treasury . .			$1,181 45

REBUILDING FIRST STREET.

Appropriation transferred from Cambridge Street . . .			$1,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$715 98	
Gravel, Wm. B. Mullen . .		63 12	
Hay, grain and straw:—			
J. Cushing & Co. . . .		71 50	
Lighting:—			
Standard Oil Co. of N. Y. .		13 50	
Teaming, sundry persons, as per pay-roll		55 00	
Total			919 10
Surplus of appropriation relinquished to general treasury			$80 90

REBUILDING GARDEN STREET.

Appropriation			$26,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$5,241 76	
Advertising, Times Pub. Co.		14 00	
Bitulithic surface:—			
Warren Bros. Co. . . .		15,064 92	
Cement, Fiske & Co. . .		353 39	
Drilling, Water Dept. (transfer)		1 80	
Freight on gravel:—			
Boston & Maine R. R. . .		67 90	
Fuel, Consumers' Coal Co. .		51 01	
Amounts carried forward . .		$20,794 78	$26,000 00

Public Highways and Sanitation—Continued.

REBUILDING GARDEN STREET—Concluded.

Amounts brought forward . .		$20,794 78	$26,000 00
Hardware, tools and supplies:—			
Brock Bros.	$46 27		
A. H. Hews & Co. . .	5 69		
Daniel J. Sullivan . .	2 00		
		53 96	
Hay, grain and straw:—			
J. Cushing & Co. . .		200 08	
Lighting:—			
F. X. Masse . . .	$3 80		
H. Pill & Bro. . . .	28 00		
		31 80	
Stone:—			
Crushed stone:—			
Mass. Broken Stone Co. .	$1,194 02		
Wm. J. McCarthy Co. . .	16 98		
Edgestone:—			
S. & R. J. Lombard . .	1,063 01		
Granite flagging:—			
John J. Horgan . . .	22 47		
Granite paving blocks:—			
John J. Horgan . . .	521 83		
		2,818 31	
Teaming, sundry persons, as per pay-roll		853 13	
Total, including $1.80 transfer			24,752 06
Surplus of appropriation transferred to Street Cleaning			$1,247 94

REBUILDING HAMPSHIRE STREET.

Appropriation			$20,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$6,013 68	
Bricks:—			
New England Brick Co. .	$35 65		
Parry Brick Co. . . .	90 17		
		125 82	
Catch-basin trap, frame and cover:—			
New England Broom Co. .	$4 25		
Sessions Foundry Co. . .	13 80		
		18 05	
Gravel and freight:—			
Boston & Maine R. R. .	$18 91		
Daniel Cronin . . .	23 00		
Wm. B. Mullen . . .	519 53		
David O'Mara . . .	20 00		
		581 44	
Amounts carried forward . .		$6,738 99	$20,000 00

Public Highways and Sanitation—Continued.

REBUILDING HAMPSHIRE STREET—Concluded.

Amounts brought forward . .			$6,738 99	$20,000 00
Hardware, tools and supplies:—				
Harold L. Bond Co. . .			25 44	
Lighting:—				
H. Pill & Bro. . . .		$37 80		
Standard Oil Co. . . .		33 30		
			71 10	
Stone:—				
Edgestone:—				
John J. Horgan	$3 57			
S. & R. J. Lombard . .	168 58			
		$172 15		
Granite flagging:—				
John J. Horgan . . .		385 42		
Granite paving blocks:—				
S. & R. J. Lombard . .		10,456 87		
			11,014 44	
Teaming, sundry persons, as per pay-roll			1,680 01	
Total				19,529 98
Surplus of appropriation relinquished to general treasury				$470 02

REBUILDING MASSACHUSETTS AVENUE.

Appropriation				$40,000 00
EXPENDED.				
For labor, sundry persons, as per pay-roll			$8,447 30	
Advertising:—				
Cambridge Sentinel . .			7 50	
Bricks:—				
New England Brick Co. .			70 57	
Catch-basins, traps, etc.:—				
Barbour-Stockwell Co. .		$16 50		
New England Broom Co. .		4 25		
			20 75	
Fuel and freight:—				
Boston & Maine R. R. .		$68 40		
Consumers' Coal Co. . .		297 44		
			365 84	
Hardware, tools and supplies:—				
Harold L. Bond Co. . .		$49 50		
Dodge-Haley Co. . .		4 75		
			54 25	
Hassam pavement:—				
Simpson Bros. Corp. . .			26,489 60	
Hay, grain and straw:—				
J. Cushing & Co. . .			132 00	
Amounts carried forward . .			$35,587 81	$40,000 00

Public Highways and Sanitation—Continued.

REBUILDING MASSACHUSETTS AVENUE—Concluded.

Amounts brought forward . .		$35,587 81	$40,000 00
Lighting:—			
Harold L. Bond Co. . .	$22 50		
Thomas R. Nevins . .	113 85		
H. Pill & Bro. . . .	3 00		
		139 35	
Lumber:—			
Geo. W. Gale Lumber Co.		58 00	
Oatmeal, F. E. Carman . .		6 85	
Stone crusher repairs:—			
Taylor Iron and Steel Co. .		160 00	
Stone:—			
Crushed stone:—			
Mass. Broken Stone Co. .	$2,246 90		
Simpson Bros. Corp. . .	34 95		
	$2,281 85		
Fieldstone, sundry persons, as per pay-roll . . .	383 48		
		2,665 33	
Teaming, sundry persons, as per pay-roll		1,365 62	
Total			39,982 96
Surplus of appropriation relinquished to general treasury			$17 04

SIDEWALKS (4.4)

EDGESTONES AND SIDEWALKS.

Appropriation		$25,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For labor and materials . .	$323 83	

EXPENDED.

For labor, sundry persons, as per pay-roll		$10,476 88	
Allowance on new artificial stone sidewalks:—			
Thomas J. Hind . .	$79 39		
Simpson Bros. Corp. . .	528 49		
Warren Bros. Co. . .	173 37		
		781 25	
Bricks, Parry Brick Co. . .		2,730 52	
Fence around tree:—			
Geo. W. Gale Lumber Co. .		11 71	
Amounts carried forward . .		$14,000 36	$25,000 00

Public Highways and Sanitation—Continued.

EDGESTONES AND SIDEWALKS.—Concluded.

Amounts brought forward . .		$14,000 36	$25,000 00
Gravel and freight:—			
Boston & Maine R. R. .	$275 73		
Daniel Cronin . . .	15 00		
Wm. B. Mullen . . .	118 65		
David O'Mara . . .	21 25		
		430 63	
Hardware, tools and supplies:—			
Harold L. Bond Co. . .	$30 00		
E. T. Bynner . . .	14 25		
Dodge-Haley Co. . .	147 49		
Geo. W. Gale Lumber Co.	87 28		
Morss & Whyte Co. . .	4 00		
Bruce R. Ware . . .	11 25		
Sundry persons . . .	3 75		
		298 02	
Lighting:—			
H. Pill & Bro. . . .	$41 30		
Thomas R. Nevins . .	15 75		
Standard Oil Co. of N. Y. .	11 70		
		68 75	
Printing, Cambridge Chronicle		8 50	
Relaying artificial stone sidewalks:—			
Simpson Bros. Corp. .		57 53	
Stone:—			
Edgestone:—			
John J. Horgan . $77 33			
S. & R. J. Lombard . . 7,916 29			
	$7,993 62		
Granite blocks:—			
John J. Horgan . .	414 83		
Gutter stone:—			
John J. Horgan . $12 65			
S. & R. J. Lombard . . 944 02			
	956 67		
		9,365 12	
Teaming, sundry persons, as per pay-roll . . .		2,265 63	
Total			26,494 54
Excess of expenditures over appropriation . .			$1,494 54
Additional appropriation			1,500 00
Balance relinquished to general treasury . .			$5 46

Public Highways and Sanitation—Continued.

SIDEWALKS (4.4)

SIDEWALK REPAIRS.

Appropriation			$5,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$4,702 80	
Bricks, Parry Brick Co.		513 31	
Gravel and freight:—			
Boston & Maine R. R.	$29 37		
Wm. B. Mullen	21 31		
		50 68	
Printing, Cambridge Chronicle		4 00	
Repairs to granolithic sidewalk:—			
Simpson Bros. Corp.		9 00	
Teaming, sundry persons, as per pay-roll		215 01	
Total			5,494 80
Excess of expenditures over appropriation			$494 80
Additional appropriation			500 00
Balance relinquished to general treasury			$5 20

STREET LIGHTING (4.5).

SALARIES.

Appropriation			$1,000 00
EXPENDED.			
For salary of Superintendent of Lamps:—			
T. C. O'Hearn		$1,000 00	
Total			1,000 00

GENERAL EXPENSES.

Appropriation			$77,000 00
EXPENDED.			
For car tickets:—			
Boston Elevated Railway Co.		$25 00	
Carriage repairs:—			
T. H. Kneeland		14 00	
Changing lamp locations:—			
Cambridge Electric Light Co		5 70	
Gas lamp-posts:—			
Robert Law		192 00	
Harness and repairs:—			
Harvard Harness Store		62 60	
Amounts carried forward		$299 30	$77,000 00

Public Highways and Sanitation—Continued.

STREET LIGHTING, GENERAL EXPENSES—Concluded.

Amounts brought forward . .		$299 30	$77,000 00
Horse board:—			
John J. Corkery . .		297 50	
Horseshoeing:—			
Wm. Balmer . . .		32 25	
Lighting streets:—			
Cambridge Electric Light Co.:—			
Arc . . . $55,177 51			
Incandescent . 13,335 14			
	$68,512 65		
Welsbach St. Lighting Co.	9,508 02		
		78,020 67	
Setting gas lamp-posts:—			
Cambridge Gas Light Co. .		4 25	
Stationery and printing:—			
J. Frank Facey . . .		7 50	
Telephone service . . .		31 85	
Total			78,693 32
Excess of expenditures over appropriation . .			$1,693 32
Additional appropriation		$355 00	
Transfer to this account from Contingent Fund		1,350 00	
			1,705 00
Balance relinquished to general treasury . .			$11 68

STREET CLEANING (4.6).

Appropriation			$34,596 15
EXPENDED.			
For labor, as per pay-roll . .		$31,400 44	
Dumping privilege:—			
John T. Scully Foundation and Transportation Co. .		87 40	
Hardware, tools, etc.:—			
Barbour-Stockwell Co. .	$40 83		
Harold L. Bond Co. . .	63 00		
E. T. Bynner . . .	4 60		
New England Broom Co. .	13 75		
		122 18	
Hay, grain and straw:—			
J. Cushing & Co. . .	$645 87		
E. R. Luke & Co. . .	176 13		
		822 00	
Machine sweeper repairs:—			
Barbour-Stockwell Co. .	$9 60		
A. H. Hews & Co. . .	1 33		
		10 93	
Printing, Cambridge Chronicle .		7 00	
Push carts and cans:—			
Bancroft's Express . .	$4 61		
The J. H. Strain Co. . .	253 39		
		258 00	
Amounts carried forward . .		$32,707 95	$34,596 15

Public Highways and Sanitation—Continued.

STREET CLEANING—Concluded.

Amounts brought forward . .		$32,707 95	$34,596 15
Refilling machine sweeper brooms:—			
Denison, Estabrook & Co. .	$96 00		
New England Broom Co. .	76 00		
		172 00	
Rubbish barrels and repairs:—			
American Stave and Cooperage Co. . . .	$69 00		
E. T. Bynner . . .	21 25		
Dodge-Haley Co. . .	3 10		
Geo. W. Gale Lumber Co. .	15 06		
		108 41	
Teaming:—			
Sundry persons, as per pay-roll		3,996 26	
Total			36,984 62
Excess of expenditures over appropriation . .			$2,388 47
Additional appropriation		$2,000 00	
Transfer to this account from Sundry Dept.		445 00	
			2,445 00
Balance relinquished to general treasury . .			$56 53

SNOW REMOVAL (4.7).

Appropriation			$9,000 00
EXPENDED.			
For labor as per pay-rolls . .		$8,417 51	
Freight on gravel:—			
Boston & Maine R. R. .		15 26	
Gutter plows:—			
Dyar Supply Co. . .		225 00	
Hardware, tools, etc.:—			
Harold L. Bond Co. . .	$104 60		
Dyar Supply Co. . .	100 95		
Good Roads Machinery Co.	14 00		
W. G. Hallock . . .	6 50		
New England Broom Co. .	13 00		
		239 05	
Teaming:—			
Sundry persons, as per pay-roll		100 50	
Total			8,997 32
Surplus of appropriation relinquished to general treasury			$2 68

Public Highways and Sanitation—Continued.

STREET SPRINKLING (4.8).

Apropriation $30,300 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For collections . . $1,123 95

EXPENDED.

For salary of foreman of street watering division:—			
Chas. McHugh . . .		$1,200 00	
Labor, as per pay-rolls . .		1,732 53	
Sprinkling streets, sundry contractors, as per pay-rolls		25,760 27	
Clerical assistance:—			
Genevieve Hannon . .	$46 50		
Mary L. Heanue . .	22 00		
Josephine A. Kenney . .	18 25		
Frances R. Leonard . .	16 13		
Ruth E. O'Brien . .	19 00		
Jane T. Quinn . . .	46 25		
Pearl A. Sanborn . .	45 50		
Mary A. Sharkey . .	63 00		
		276 63	
Advertising:—			
Cambridge Chronicle . .	$15 00		
Cambridge Sentinel Pub. Co.	7 50		
Cambridge Tribune . .	7 50		
Times Publishing Co. .	7 50		
		37 50	
Binding, David Farquhar .		19 25	
Carriage repairs:—			
Stephen J. Moran . .		37 85	
Duck aprons:—			
H. M. Sawyer & Son .		1 88	
Hardware, tools, etc.:—			
E. T. Bynner . . .	$4 60		
Dodge-Haley Co. . .	12 60		
		17 20	
New watering carts:—			
J. L. & H. K. Potter .		700 00	
Printing:—			
Cambridge Chronicle .	$14 00		
Louis F. Weston . .	5 50		
		19 50	
Special road treatment:—			
National Coal Tar Co. .		85 52	
Standpipe and repairs:—			
Boston Woven Hose and Rubber Co. . . .	$2 10		
Davis & Farnum Mfg. Co.	24 00		
Moynahan & Co. . .	24 89		
Water Dept. (transfer) .	321 08		
		372 07	
Amounts carried forward . .		$30,260 20	$30,300 00

Public Highways and Sanitation—Continued.

STREET SPRINKLING—Concluded.

Amounts brought forward . .		$30,260 20	$30,300 00
Watering cart repairs:—			
American Stave and Cooperage Co. . . .	$160 00		
Barbour-Stockwell Co. .	5 50		
Boston Varnish Co. . .	80 00		
E. T. Bynner . . .	62 50		
Chas. A. Claflin & Co. .	2 91		
Dodge-Haley Co. . .	283 60		
Duff Spring Co. . . .	285 65		
Geo. W. Gale Lumber Co. .	27 83		
Moynahan & Co. . .	1 00		
J. L. & H. K. Potter . .	113 29		
W. L. Potter . . .	1 40		
Wadsworth, Howland & Co.	2 03		
Wm. H. Wood & Co. . .	5 19		
		1,030 90	
Total, including $321.08 transfers . . .			31,291 10
Excess of expenditure over appropriation . .			$991 10
Additional appropriation			1,000 00
Balance relinquished to general treasury . .			$8 90

REFUSE COLLECTION AND DISPOSAL (4.9)

COLLECTION OF ASHES.

Appropriation			$33,200 00
EXPENDED.			
For labor as per pay-rolls . .		$33,189 82	
Ash covers:—			
Hugh McCaffrey . . .		58 50	
Bicycle repairs:—			
W. L. Potter . . .		27 60	
Dumping privilege:—			
John T. Scully Foundation and Transportation Co. .		209 75	
Gravel:—			
John T. Scully Foundation and Transportation Co. .		103 75	
Hardware, tools and supplies:—			
Campbell Iron Works .	$1 00		
Dodge-Haley Co. . .	32 06		
Hughes Anti-Friction Co. .	1 15		
Daniel J. Sullivan . .	3 10		
		37 31	
Harness and repairs, etc.:—			
M. Cavanagh . . .	$99 35		
Harvard Harness Store .	19 75		
Hugh McCaffrey . . .	21 25		
		140 35	
Amounts carried forward . .		$33,767 08	$33,200 00

Public Highways and Sanitation—Continued.

COLLECTION OF ASHES—Concluded.

Amounts brought forward . .		$33,767 08	$33,200 00
Hay, grain and straw:—			
R. Costello	$90 00		
J. Cushing & Co. . .	3,126 65		
E. R. Luke & Co. . .	29 73		
		3,246 38	
Horseshoeing and stock:—			
William Balmer . . .	$9 50		
Dodge-Haley Co. . . .	21 30		
W. F. Garrett . . .	2 00		
Arthur A. McLeod . .	1 00		
Francis Supple . . .	22 23		
		56 03	
Painters' supplies:—			
E. T. Bynner . . .		54 80	
Printing, Cambridge Chronicle .		5 50	
Renewals and repairs, carts, etc.:—			
Dodge-Haley Co. . .	$150 92		
Geo. W. Gale Lumber Co. .	17 50		
H. J. Shaw	14 60		
		183 02	
Repairing bulkhead:—			
J. H. Corcoran . . .		25 37	
Sundries:—			
Henry T. Farrow & Co. .		2 80	
Teaming:—			
Sundry persons as per pay-rolls		117 50	
Total			37,458 48
Excess of expenditures over appropriation . .			$4,258 48
Additional appropriation		$3,500 00	
Transfer to this account from Street Dept. Maintenance		800 00	
			4,300 00
Balance relinquished to general treasury . .			$41 52

REFUSE COLLECTION AND DISPOSAL (4.9)

INCINERATOR PLANT.

Appropriation			$30,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$121 25	
Advertising and printing:—			
Cambridge Chronicle . .	$10 25		
Cambridge Tribune . .	13 50		
		23 75	
Amounts carried forward . .		$145 00	$30,000 00

Public Highways and Sanitation—Continued.

INCINERATOR PLANT.—Concluded.

Amounts brought forward . .	$145 00	$30,000 00
Lumber:—		
Geo. W. Gale Lumber Co.	4 24	
Teaming, sundry persons, as per pay-roll	25 00	
Traveling expenses of Mayor and Superintendent of Streets inspecting incinerators, Geo. M. Clukas . .	211 85	
Total		386 09
Surplus of appropriation relinquished to general treasury		$29,613 91

REFUSE COLLECTION AND DISPOSAL (4.9)

HOUSE OFFAL, LABOR.

Appropriation		$27,200 00
EXPENDED.		
For labor, as per pay-rolls	$28,320 45	
Total		28,320 45
Excess of expenditures over appropriation .		$1,120 45
Additional appropriation		1,200 00
		$79 55
Transfer from this account to House Offal, General Expenses		65 00
Balance relinquished to general treasury . .		$14 55

GENERAL EXPENSES.

Appropriation		$6,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For sale of offal . . $10,564 07		
EXPENDED.		
For clock, F. A. Colburn . .	$4 50	
Chloride of lime:—		
F. E. Atteaux & Co. . .	9 44	
Cracked stone:—		
Street Dept. (transfer) .	16 45	
Fuel, Consumers' Coal Co. .	13 25	
Hardware, tools and repairs:—		
Joseph Breck & Sons Corp. $8 25		
E. T. Bynner . . . 33 71		
Amounts carried forward . . $41 96	$43 64	$6,000 00

Public Highways and Sanitation—Continued.

HOUSE OFFAL, GENERAL EXPENSES—Concluded.

Amounts brought forward . .	$41 96	$43 64	$6,000 00
A. Lubbe	24 36		
Daniel J. Sullivan . .	4 60		
		70 92	
Harness repairs and horse clothing:—			
M. Cavanagh . . .	$143 40		
Thomas J. Fox . . .	52 70		
		196 10	
Hay, grain and straw:—			
Clark Bros.	$556 27		
J. Cushing & Co. . .	4,594 08		
		5,150 35	
Horse, Henry S. Harris' Sons		435 00	
Horse clipper:—			
Dame, Stoddard & Co. .		6 75	
Horseshoeing and clipping:—			
Wm. Balmer . . .	$28 50		
Frank Burke . . .	139 50		
E. P. Griffin . . .	505 35		
Fred D. Norton . . .	2 50		
T. H. Kneeland . . .	93 48		
		769 33	
Lighting of stable:—			
Cambridge Electric Light Co.		25 38	
Paint, oil, etc.:—			
E. T. Bynner . . .	$21 60		
Carpenter-Morton Co. . .	104 60		
		126 20	
Stable repairs:—			
Lumber:—			
Geo. W. Gale Lumber Co.		277 89	
Stable supplies:—			
E. T. Bynner . . .	$9 05		
Commonwealth Oil Co. .	24 65		
A. Lubbe	57 97		
		91 67	
Stock and labor:—			
Water Dept. (transfer) .		19 02	
Wagon repairs:—			
A. S. Lohnes . . .	$215 55		
T. H. Kneeland . . .	236 90		
		452 45	
Total, including $35.47 transfers . . .			7,664 70
Excess of expenditures over appropriation .			$1,664 70
Additional appropriation		$900 00	
Transfer to this account from House Offal, Labor		65 00	
Transfer to this account from Outdoor Relief, General Expenses		700 00	
			1,665 00
Balance relinquished to general treasury . .			$0 30

Public Highways and Sanitation—Continued.

SEWERS AND SEWAGE DISPOSAL (4.10)

SEWER DEPARTMENT, CONSTRUCTION GENERAL.

Appropriation			$17,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$9,879 77	
Blacksmithing and machine work:—			
H. J. Shaw		63 49	
Bricks, New England Brick Co.		295 35	
Catch-basin traps:—			
New England Broom Co. .		29 75	
Cement:—			
Curtis & Pope Lumber Co.	$71 60		
Fiske & Co. . . .	306 00		
		377 60	
Frames, grates, covers, etc.:—			
Barbour-Stockwell Co. .	$40 00		
Sessions Foundry Co. . .	579 44		
		619 44	
Fuel, Consumers' Coal Co. .		57 58	
Gravel, sand, etc.:—			
Wm. B. Mullen . . .	$463 67		
David O'Mara . . .	4 00		
		467 67	
Hardware, tools and repairs, and supplies:—			
E. T. Bynner . . .	$213 20		
Robert Crozier . . .	13 52		
J. A. Holmes & Co. . .	2 42		
James Maitland . . .	29 26		
		258 40	
Lumber:—			
Geo. W. Gale Lumber Co. .		903 92	
Oatmeal, J. A. Holmes & Co. .		6 25	
Oil:—			
Thomas R. Nevins . .	$31 34		
Alden Speare's Sons Co. .	2 90		
		34 24	
Piles furnished and driven:—			
John T. Scully Foundation and Transportation Co. .		692 12	
Pipe and fittings:—			
David W. Lewis Co. . .	$17 36		
Portland Stone Ware Co. .	820 76		
John M. Riley . . .	34 79		
		872 91	
Rental of derrick, Daniel Marr & Son		112 00	
Amounts carried forward . .		$14,670 49	$17,000 00

Public Highways and Sanitation—Continued.

SEWER DEPARTMENT, CONSTRUCTION GENERAL—Continued.

Amounts brought forward . .	$14,670 49	$17,000 00
Rental of engine and pump:—		
Geo. E. Worthen . .	230 00	
Teaming, sundry persons . .	233 25	
Testing cement:—		
Nelson A. Hallett . .	3 50	
Wagon repairs:—		
Chas. Waugh & Co. . .	88 00	
Total		15,225 24
Surplus of appropriation relinquished to general treasury		$1,774 76

SUMMARY — EXPENDED.

New catch-basins:—		
Labor . .	$555 23	
Supplies . .	861 71	
Teaming . .	9 50	
		$1,426 44
General expenses:—		
Supplies		581 96
Boylston Street Sewer:—		
Labor . .	$122 75	
Supplies . .	30 52	
Teaming . .	2 50	
		155 77
Banks Street:—		
Labor . .		100 63
Bent Street:—		
Labor . .	$603 12	
Supplies . .	286 49	
Teaming . .	4 25	
		893 86
Chilton Street:—		
Labor . .	$1,077 10	
Supplies . .	252 65	
		1,329 75
Larch Street:—		
Labor . .		125 50
Mt. Auburn Street:—		
Labor . .	$606 28	
Supplies . .	100 69	
Teaming . .	19 00	
		725 97
River Street:—		
Labor . .	$1,178 61	
Supplies . .	207 44	
Teaming . .	9 25	
		1,395 30
Amount carried forward . .		$6,735 18

Public Highways and Sanitation—Continued.

SEWER DEPARTMENT, CONSTRUCTION GENERAL—Concluded.

Amount brought forward . .		$6,735 18
Rogers Street:—		
Labor . .	$939 05	
Supplies . .	662 69	
Teaming . .	32 50	
		1,634 24
Second Street:—		
Labor . .	$3,445 18	
Supplies . .	1,868 39	
Teaming . .	151 25	
		5,464 82
Windsor Street:—		
Labor . .	$423 47	
Supplies . .	169 16	
Teaming . .	5 00	
		597 63
Wyeth Terrace:—		
Labor . .	$702 85	
Supplies . .	90 52	
		793 37
Total . .		$15,225 24

SEWERS AND SEWAGE DISPOSAL (4.10)

CONSTRUCTION PORTLAND STREET TRUNK SEWER.

Appropriation $20,000 00

EXPENDED.

For labor, sundry persons, as per pay-rolls		$16,883 58	
Blacksmithing and iron work:—			
H. J. Shaw		14 53	
Bricks:—			
New England Brick Co. .		89 50	
Cement:—			
Fiske & Co. . . .		2,194 14	
Freight:—			
New York Central & Hudson River Railroad Co. . .		15 18	
Fuel:—			
Consumers' Coal Co. . .		42 91	
Gravel, sand, etc.:—			
William B. Mullen . .		2,968 65	
Hardware, tools and supplies:—			
Brock Bros.	$4 76		
E. T. Bynner . . .	245 78		
Robert Crozier . . .	12 83		
Harrington, King & Co. .	8 55		
J. A. Holmes & Co. . .	8 69		
Amounts carried forward . .	$280 61	$22,208 49	$20,000 00

Public Highways and Sanitation—Continued.

CONSTRUCTION PORTLAND STREET TRUNK SEWER—Concluded.

Amounts brought forward . .	$280 61	$22,208 49	$20,000 00
James Maitland. . .	30 75		
H. J. Shaw	132 22		
		443 58	
Lumber and mill work:—			
Geo. W. Gale Lumber Co. .	$955 69		
H. A. Scranton . . .	19 25		
		974 94	
Oil:—			
Thomas R. Nevins . .	$43 13		
Alden Speare's Sons Co. .	10 85		
		53 98	
Pipe:—			
Portland Stone Ware Co. .	$200 65		
David W. Lewis Co. . .	8 07		
		208 72	
Printing, Cambridge Chronicle .		7 00	
Twisted steel bars:—			
Arthur C. Harvey Co. .		44 82	
Teaming:—			
Sundry persons . . .		1,445 63	
Total			25,387 16
Excess of expenditures over appropriation .			$5,387 16
Transfer to this account from Sewer Dept., Subway Construction.			8,000 00
Balance relinquished to general treasury . .			$2,612 84

CONSTRUCTION GATE CHAMBERS.

Appropriation			$5,000 00
EXPENDED.			
For labor, sundry persons, as per pay-rolls		$1,908 24	
Blacksmithing and iron work:—			
H. J. Shaw		369 78	
Bricks:—			
New England Brick Co. .		187 95	
Cement:—			
Fiske & Co. . . .		48 00	
Frame and gate:—			
J. H. Gerlach Co. . .		40 89	
Fuel:—			
Consumers' Coal Co. . .		15 35	
Hardware, tools and supplies:—			
Boston Woven Hose and Rubber Co. . . .	$4 63		
E. T. Bynner . . .	15 24		
		19 87	
Amounts carried forward . .		$2,590 08	$5,000 00

Public Highways and Sanitation—Continued.

CONSTRUCTION GATE CHAMBERS—Concluded.

Amounts brought forward . .		$2,590 08	$5,000 00
Lumber and mill work:—			
Geo. W. Gale Lumber Co. .	$119 24		
J. H. Gerlach Co. . .	26 84		
H. A. Scranton . . .	17 75		
		163 83	
Oil, Alden Speare's Sons Co. .		2 90	
Stock and labor:—			
Water Dept. (transfer) .		7 69	
Teaming, sundry persons . .		14 00	
Use of pump, Geo. E. Worthen		53 00	
Total, including $7.69 transfers			2,831 50
Balance relinquished to general treasury . .			$2,168 50

CONSTRUCTION, SEPARATE SYSTEM OF DRAINAGE.

Appropriation			$16,509 32
EXPENDED.			
For labor, sundry persons, as per pay-roll		$14,705 15	
Advertising, Boston Herald Co.		11 88	
Bricks:—			
Curtis & Pope Lumber Co.	$144 79		
New England Brick Co. .	295 34		
		440 13	
Cement, Fiske & Co. . .		435 00	
Frames, grates, covers, etc.:—			
Edson Mfg. Co. . . .		10 80	
Fuel, Consumers' Coal Co. .		116 79	
Gravel, crushed stone, sand, etc.:—			
Wm. J. McCarthy . .	$187 08		
Wm. B. Mullen . . .	542 61		
David O'Mara . . .	1 00		
Street Dept. (transfer) .	1 92		
		732 61	
Hardware, tools and repairs, and supplies:—			
E. T. Bynner . . .	$234 98		
Frank Creighton . .	8 50		
Robert Crozier . . .	4 95		
J. A. Holmes & Co. . .	5 24		
F. Ivers & Son . . .	3 00		
James Maitland . .	12 81		
H. J. Shaw	11 20		
Daniel J. Sullivan . .	4 80		
		285 48	
Lumber:—			
Geo. W. Gale Lumber Co. .		662 62	
Mill work, H. A. Scranton .		10 25	
Oil, Thomas R. Nevins . .		61 13	
Amounts carried forward . .		$17,471 84	$16,509 32

Public Highways and Sanitation—Continued.

CONSTRUCTION, SEPARATE SYSTEM OF DRAINAGE—Concluded.

Amounts brought forward . .		$17,471 84	$16,509 32
Pipe and fittings:—			
Eastern Clay Goods Co. .	$69 69		
David W. Lewis Co. . .	80 42		
Portland Stone Ware Co. .	806 66		
John M. Riley . . .	275 00		
		1,231 77	
Printing, Cambridge Chronicle		7 00	
Repairs to boiler and engine:—			
Geo. E. Worthen . . .		26 20	
Rental of machinery:—			
Daniel Marr & Son . .	$48 00		
Geo. E. Worthen . . .	137 00		
		185 00	
Stock and labor:—			
Water Dept. (transfer) .		7 01	
Teaming, sundry persons . .		300 87	
Total, including $8.93 transfers			19,229 69
Excess of expenditures over appropriation .			$2,720 37
Additional appropriation			10,000 00
Balance relinquished to general treasury . .			$7,279 63

SUMMARY — EXPENDED.

Columbia Street District:—			
Labor . .	$266 78		
Supplies . .	118 09		
Teaming . .	6 75		
		391 62	
Cogswell Avenue District:—			
Labor . .	$14,152 09		
Supplies . .	4,014 98		
Teaming . .	290 37		
		18,457 44	
Massachusetts Avenue and Sidney Street District:—			
Labor . .	$286 28		
Supplies . .	90 60		
Teaming . .	3 75		
		380 63	
Total . .		$19,229 69	

Public Highways and Sanitation—Continued.

SEWERS AND SEWAGE DISPOSAL (4.10)

SEWER DEPARTMENT, MAINTENANCE.

Appropriation $18,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For castings broken .	$44 49
Clay . . .	16 80
Fertilizer . .	3 00
Pipe, etc. . .	57 53
Repairing catch-basin, sewer, etc. . .	144 17
	$265 99

EXPENDED.

For salaries of:—			
Supt. of Sewers, T. L. Pike		$2,000 00	
Clerk, Mary E. Rowen .		398 73	
Labor, sundry persons, as per pay-roll		9,927 94	
Advertising:—			
Cambridge Chornicle . .		9 50	
Blacksmithing and iron work:—			
H. J. Shaw		29 72	
Bricks:—			
Curtis & Pope Lumber Co.	$14 48		
New England Brick Co. .	80 56		
Met. Paving Brick Co. .	175 50		
		270 54	
Canvas covers, Nolan Bros. .		58 44	
Carriage and wagon repairs:—			
F. Ivers & Son . . .	$118 20		
Chas. Waugh & Co. . .	209 06		
		327 26	
Car tickets:—			
Boston Elevated Ry. Co. .		120 00	
Catch-basin frames, grates, covers, etc.:—			
Barbour-Stockwell Co. .	$22 50		
Geo. W. Gale Lumber Co. .	206 25		
New England Broom Co. .	25 50		
Sessions Foundry Co. . .	259 49		
		513 74	
Cement:—			
Curtis & Pope Lumber Co.	$8 95		
Fiske & Co. . . .	177 00		
		185 95	
Cleaning catch-basins:—			
John L. Jenness . . .		2,960 81	
Disinfectant:—			
The Sulpho-Naphol Co. .		41 50	
Expressage, sundry persons .		2 35	
Fuel, Consumers' Coal Co. .		45 55	
Amounts carried forward . .		$16,892 03	$18,000 00

Public Highways and Sanitation—Continued.

SEWER DEPARTMENT, MAINTENANCE—Continued.

Amounts brought forward . .		$16,892 03	$18,000 00
Gravel, sand, cracked stone, etc.:—			
Wm. B. Mullen . . .	$268 35		
David O'Mara . . .	70 50		
Street Dept. (transfer) .	9 70		
		348 55	
Hardware, tools and repairs, and supplies:—			
E. T. Bynner	$111 02		
Frank Creighton . . .	6 50		
Greene & Co. . . .	1 10		
Arthur C. Harvey Co. .	26 73		
James Maitland . . .	38 75		
H. J. Shaw	30 59		
		214 69	
Harness and repairs:—			
Wm. H. Roberts . . .		26 60	
Hay, grain and straw:—			
E. R. Luke & Co. . .	$571 52		
L. G. Stone & Co. . .	7 50		
		579 02	
Horseshoeing and clipping:—			
W. F. Garrett . . .	$27 50		
I. J. Goodhue . . .	85 25		
Harvard Horse Clipping Co.	12 00		
		124 75	
Hose, diaphragms, etc.:—			
Edson Mfg. Co. . . .	$75 60		
Eureka Fire Hose Co. .	325 00		
		400 60	
Lighting:—			
Cambridge Electric Light Co.		19 28	
Lumber and mill work:—			
Geo. W. Gale Lumber Co.	$338 29		
H. A. Scranton . . .	12 55		
		350 84	
Oil, Thomas R. Nevins . .		8 85	
Papering and plastering at cottage:—			
Chas. Atkins & Co. . .	$13 18		
J. W. Crocker . . .	7 50		
		20 68	
Pipe and fittings:—			
David W. Lewis Co. . .	$16 28		
Portland Stone Ware Co. .	150 98		
		167 26	
Repairing lights, Bryant & Co.		1 55	
Repairing drains:—			
D. J. Keefe & Co. . .	$12 60		
John Kelleher . . .	7 80		
Wm. Mahoney . . .	3 00		
Moynahan & Co. . . .	34 00		
Estate of G. M. Rogers .	23 66		
		81 06	
Amounts carried forward . .		$19,235 76	$18,000 00

Public Highways and Sanitation—Continued.

SEWER DEPARTMENT, MAINTENANCE—Continued.

Amounts brought forward . .		$19,235 76	$18,000 00
Roofing shed, John J. Blevins .		56 00	
Stationery, printing, and office supplies:—			
Cambridge Chronicle . .	$7 50		
Cotton & Gould . . .	18 75		
Globe Stamp Works . .	40		
Postage and Stationery account (transfer) . .	14 04		
		40 69	
Suits, hats, and gloves:—			
Robert Josselyn . . .	$2 50		
H. M. Sawyer & Son . .	26 63		
		29 13	
Teaming, sundry persons . .		46 62	
Telephone service . . .		39 00	
Use of pump, Geo. E. Worthen		22 00	
Total, including $23.74 transfers . . .			19,469 20
Excess of expenditure over appropriation . .			$1,469 20
Additional appropriation			2,000 00
Balance relinquished to general treasury . .			$530 80

SUMMARY — EXPENDED.

Repairing catch-basins:—		
Labor . .	$1,217 07	
Supplies . .	563 66	
		1,780 73
Cleaning catch-basins:—		
Labor . .	$2,053 75	
Supplies . .	46 47	
Teaming . .	2,960 81	
		5,061 03
Cleaning and repairing gates:—		
Labor . .	$1,030 62	
Supplies . .	33 58	
		1,064 20
Cleaning sumps:—		
Labor . .		169 28
Cleaning and flushing sewers:—		
Labor . .	$1,140 73	
Supplies . .	583 82	
Teaming . .	4 50	
		1,729 05
Manhole repairs:—		
Labor . .	$80 57	
Supplies . .	125 19	
		205 76
Amount carried forward . .		$10,010 05

Public Highways and Sanitation—Continued.

SEWER DEPARTMENT, MAINTENANCE—Concluded.

Amount brought forward . .		$10,010 05
Sewer repairs:—		
Labor . .	$2,348 96	
Supplies . .	1,359 03	
Teaming . .	35 37	
		3,743 36
Office expenses:—		
Salary of clerk	$398 73	
Supplies . .	40 69	
		439 42
General expenses:—		
Salary of Supt.	$2,000 00	
Labor . .	1,120 96	
Supplies . .	386 63	
Teaming . .	6 75	
		3,514 34
Stable account:—		
Labor . .	$766 00	
Supplies . .	996 03	
		1,762 03
Total . .		$19,469 20

BRIDGES (4.12)

BOSTON BRIDGES.

SALARIES AND LABOR.

Appropriation			$7,500 00
	EXPENDED.		
For salary of Bridge Commissioner:—			
Geo. M. Clukas . . .		$700 00	
Clerks:—			
Daniel J. Byrne . . .	$200 00		
Henry P. Fielding . .	50 00		
		250 00	
Draw-tenders and assistants at:—			
Harvard Bridge . . .	$2,371 33		
Prison Point Bridge . .	2,012 44		
West Boston Bridge . .	283 30		
North Harvard Bridge .	388 28		
River Street and Western Avenue Bridges . .	1,962 77		
		7,018 12	
Total			7,968 12
Excess of expenditures over appropriation . .			$468 12
Additional appropriation			702 50
			$234 38
Amount carried forward			$234 38

Public Highways and Sanitation—Continued.

BOSTON BRIDGES—Continued.

SALARIES AND LABOR—Concluded.

Amount brought forward			$234 38
Transfer from this account to Boston Bridges, General Expenses		$190 00	
Transfer from this account to Street Dept., Maintenance		13 00	
Transfer from this account to Street Dept., Cleaning		31 30	
			234 30
Balance relinquished to general treasury			$0 08

GENERAL EXPENSES.

Appropriation			$3,500 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For salary returned to treasury	$41 66		
Rent and dockage	25 00		
Junk and old materials	82 26		
Old house, Prison Point Bridge	32 50		
	$181 42		

EXPENDED.

For car tickets:—			
Boston Elevated Ry. Co.		$5 00	
Stationery, printing, etc.:—			
J. L. Fairbanks		16 00	
Brookline Street Bridge:—			
Hardware, tools, etc.:—			
New England Broom Co.	$13 83		
Lighting:—			
Boston Consolidated Gas Co.	$170 85		
Cambridge Electric Light Co.	82 50		
	$253 35		
Removing snow from bridge:—			
James C. Doherty	45 75		
		312 93	
Harvard Bridge:—			
Cleaning bridge, removing snow and sanding roadway:—			
Thomas O'Hara	$98 37		
Fuel, Consumers' Coal Co.	28 17		
Amounts carried forward	$126 54	$333 93	$3,500 00

Public Highways and Sanitation—Continued.

BOSTON BRIDGES, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$126 54	$333 93	$3,500 00
Hardware:—				
Acme Elec. Co. .	$4 35			
E. T. Bynner .	39 05			
J. H. Corcoran .	1 25			
		44 65		
Ice, Boston Ice Co. . . .		3 00		
Lighting:—				
Cambridge Electric Light Co. . .	$660 00			
Edison Electric Illum. Co. .	510 00			
		1,170 00		
Lunches:—				
Alexander Robertson . .		75		
Motor repairs:—				
Boston Elevated Ry. Co. .		25 10		
Oil, Standard Oil Co. of N. Y.		2 25		
Plumbing in house:—				
Ernest W. Clark . .		19 27		
Repairs to bridge:—				
Blacksmithing and iron work:—				
H. J. Shaw . .	$13 07			
Met. Bolt Co. .	6 22			
Carpentry:—				
John T. Scully Foundation & Trans. Co. .	250 19			
Lumber:—				
Geo. W. Gale Lumber Co. .	366 26			
		635 74		
Salt, Eastern Salt Co. . .		2 00		
Sand and spreading:—				
John T. Scully Foundation and Transportation Co. .		248 50		
			2,277 80	
North Harvard Bridge:—				
Fuel, Consumers' Coal Co.		$2 76		
Hardware:—				
Brock Bros. .	$7 13			
E. T. Bynner .	1 93			
		9 06		
Repairing bridge:—				
Blacksmithing and iron work:—				
H. J. Shaw .	$31 57			
Carpentry:—				
John T. Scully Foundation & Trans. Co. .	51 56			
Amounts carried forward	$83 13	$11 82	$2,611 73	$3,500 00

Public Highways and Sanitation—Continued.

BOSTON BRIDGES, GENERAL EXPENSES—Continued.

Amounts brought forward	$83 13	$11 82	$2,611 73	$3,500 00
Lumber:—				
Geo. W. Gale Lumber Co. .	130 80			
		213 93		
			225 75	
Prison Point Bridge:—				
Fuel, Consumers' Coal Co. .		$5 66		
Hardware and supplies:—				
E. T. Bynner .	$2 18			
Geo. W. Hobbs .	2 52			
A. M. Dyer & Co.	2 78			
		7 48		
Repairing bridge:—				
Carpentry:—				
John T. Scully Transportation and Foundation Co.		1 38		
Water pipe:—				
Braman, Dow & Co. .		4 13		
			18 65	
River Street Bridge:—				
Fuel, Consumers' Coal Co. .		$12 01		
Hardware, E. T. Bynner .		18 25		
Ice, Fresh Pond Ice Co. .		6 58		
Lighting:—				
Cambridge Electric Light Co.		45 00		
Repairing bridge:—				
Blacksmithing and iron work:—				
H. J. Shaw .	$26 93			
Carpentry:—				
John T. Scully Trans. & Foun. Co. .	90 06			
Lumber:—				
Geo. W. Gale Lumber Co. .	124 79			
		241 78		
			323 62	
West Boston Bridge:—				
Changing location of temporary lamp:—				
Edison Elec. Illum. Co. .		$1 84		
Fuel, Consumers' Coal Co. .		5 52		
Lighting:—				
Cambridge Elec. Light Co.		18 75		
			26 11	
Western Avenue Bridge:—				
Damages, John W. Lyons .		$224 23		
Hardware, E. T. Bynner .		6 25		
Installing and wiring motors:—				
Boston Elevated Ry. Co. .		61 44		
Lighting:—				
Cambridge Elec. Light Co.		45 00		
Amounts carried forward . .		$336 92	$3,205 86	$3,500 00

Public Highways and Sanitation—Continued.

BOSTON BRIDGES, GENERAL EXPENSES—Concluded.

Amounts brought forward . .		$336 92	$3,205 86	$3,500 00
Setting up motors and machinery:—				
H. J. Shaw		130 00		
Repairing bridge:—				
Blacksmithing and iron work:—				
H. J. Shaw .	$1 04			
Carpentry:—				
John T. Scully Foun. and Trans. Co. .	99 00			
Lumber:—				
Geo. W. Gale Lumber Co. .	150 44			
		250 48		
			717 40	
Total				3,923 26
Excess of expenditures over appropriation .				$423 26
Additional appropriation			$310 00	
Transfer to this account from Boston Bridges, General Expenses			190 00	
				500 00
				$76 74
Transfer from this account to Street Dept., Cleaning				76 70
Balance relinquished to general treasury . .				$0 04

BRIDGES (4.12)

CAMBRIDGE BRIDGE.

Appropriation			$54,173 06
EXPENDED.			
For salaries of:—			
Commissioner, E. D. Leavitt .		$1,041 68	
Chief Engineer, Wm. Jackson .		1,250 00	
Assistant secretaries and clerks to commission:—			
E. A. Counihan	$250 00		
Tim. A. Butler	250 00		
Chas. S. Parsons	250 00		
Frank Boyden .	175 00		
Wm. D. Stack .	50 00		
Edw. P. Fogarty	50 00		
		1,025 00	
Amounts carried forward . .		$3,316 68	$54,173 06

Public Highways and Sanitation—Continued.

CAMBRIDGE BRIDGE—Continued.

Amounts brought forward . .		$3,316 68		$54,173 06
Assistant engineers:—				
L. F. Cutter .	$410 42			
G. E. Harkness	620 00			
M. G. Woodward	900 00			
		1,930 42		
Care-takers:—				
Morris L. Berman . .	$260 00			
Wm. G. England	316 00			
Michael Gibbons	301 50			
John J. Kelleher	317 00			
Frank J. Welch	20 00			
		1,214 50		
Draw-tenders:—				
John H. Brogan	$166 65			
Walter B. Hoitt	402 74			
Chas. P. Nolan	166 65			
John A. Solari	136 66			
		872 70		
Transitman, J. F. Gorman .		222 77		
Axeman, F. J. Steele . .		158 75		
Messenger, C. P. Collins . .		387 50		
Boatmen:—				
B. F. Fallon .	$388 75			
W. J. Sheehan	387 50			
		776 25		
Inspector, J. R. Hews . .		687 50		
Clerk, W. D. Nagle . . .		387 50		
Draughtsman, Paul S. Yendell		416 00		
Watchmen:—				
Geo. J. Blaisdell	$60 00			
J. J. Mogan .	231 00			
Robt. J. Ware .	118 75			
		409 75		
Inspector of repairs:—				
Geo. M. Clukas . .		175 00		
			10,955 32	
Advertising:—				
Hearst's Boston American		$4 18		
P. F. O'Keefe Advertising Agency		12 95		
			17 13	
Blue print paper, Chas. E. Moss			8 00	
Building room in tower:—				
J. A. McIsaac . . .			75 00	
Car tickets:—				
Boston Elevated Ry. Co. .			2 50	
Cash expended, M. G. Woodward:—				
Towel supply . . .		$24 00		
Gas bill		6 39		
Car fares, carriage hire, etc.		38 93		
Fuel for office . . .		3 18		
Amounts carried forward . .		$72 50	$11,057 95	$54,173 06

Public Highways and Sanitation—Continued.

CAMBRIDGE BRIDGE—Continued.

Amounts brought forward . .	$72 50	$11,057 95	$54,173 06
Postage and stationery . .	4 55		
Cleaning and setting glass	2 60		
Photographs . . .	3 00		
Supplies	3 03		
Telephone charges . .	2 10		
		87 78	
Cleaning bridge:—			
Austin Ford & Son . .		35 75	
Concrete around towers:—			
Simpson Bros. Corp. . .		102 67	
Contracts, extra work and materials furnished by Holbrook, Cabot & Rollins Corp.:—			
Ballast at south wing and sea wall. . . .	$405 00		
Building temporary sidewalk at Boston abutment .	26 08		
Cambridge abutment and wing walls . . .	8,959 29		
Cleaning bridge . . .	146 52		
Concreting around beams .	84 78		
Concrete floor of sub-passage between towers . .	325 00		
Concrete foundation for four abutment towers . . .	1,080 00		
Concrete platform and foundation for steps . .	213 50		
Concrete roof for abutment towers	112 50		
Concrete wall under sidewalk at Camb. abutment	172 82		
Excavating for ballast and ballasting north wing wall	282 46		
Filling and grading at Boston abutment . .	294 11		
Filling behind sea-wall .	28 14		
Four foundations for towers for Piers 5 and 6 .	881 25		
Grading archway at Cambridge approach . .	19 03		
Granite parapet and steps for abutments . . .	2,733 57		
Laying stone of four abutment towers . . .	1,313 40		
Material for cinder walks .	20 70		
Materials used in platforms and steps at abutment and foundations of wing walls	165 93		
Moving draw-tender's house and fences at 1st Street .	27 66		
Paving and edgestone work	397 20		
Amounts carried forward . .	$17,688 94	$11,284 15	$54,173 06

Public Highways and Sanitation—Continued.

CAMBRIDGE BRIDGE—Continued.

Amounts brought forward . .	$17,688 94	$11,284 15	$54,173 06
Plastering and filling under lamp-post bases and manhole frames . . .	47 04		
Pointing around piers .	190 16		
Reinforced concrete adjoining abutment towers .	240 00		
Removing temporary bridge	364 78		
Resetting parapet and cornice at Piers 5 and 6 .	728 62		
Setting pipes on piers for gas and electric works .	8 59		
Setting steps around abutment towers . . .	156 00		
Setting stones under beams	56 17		
South wall of Boston abutment	395 10		
Stone-cutting . . .	154 45		
Storage of machinery moved from Ginty building .	40 25		
Unloading and rehandling stone for abutment towers	29 98		
Work on roadway . .	32 39		
		20,132 47	
Contracts and extra work of Jones & Meehan:—			
Building catch-basins, laying drains, and grading passage-way	$198 00		
Extra work on staging .	224 99		
Mortar filling at lamp-post bases	21 63		
Pipe conduits for four towers	237 50		
Plank sidewalks at Piers 5 and 6	158 00		
Setting lamp-post bases .	141 02		
Taking down parapet wall	63 50		
Towers for Piers 5 and 6	8,992 25		
		10,036 89	
Contracts of Rockport Granite Co.:—			
Granite for four towers of abutments . . .	$9,883 49		
Granite steps and platforms at towers . . .	768 50		
		10,651 99	
Contract and extra work of G. W. & F. Smith Iron Co.:—			
Ornamental cast-iron railing	$13,880 24		
Bases for railing and lamp-posts, and labor . .	92 58		
		13,972 82	
Contract for granolithic sidewalks:—			
Simpson Bros. Corp. . .		1,318 13	
Amounts carried forward . .		$67,396 45	$54,173 06

Public Highways and Sanitation—Continued.

CAMBRIDGE BRIDGE—Continued.

Amounts brought forward . .		$67,396 45	$54,173 06
Contract for grilles, doors and frames:—			
Winslow Bros. Co. . .		2,075 00	
Contract for iron railing for central curbs:—			
W. A. Snow Iron Works .		136 25	
Contract for iron stairs, ladders, and railings for piers:—			
P. J. Dinn & Co. . .		932 00	
Contract for lamps and lamp-posts:—			
Hecla Iron Works . .		7,122 18	
Contract for bronze brackets, and lamps for towers:—			
Robert D. Ireland & Co. .	$2,714 00		
Additional lamps and wiring	822 25		
		3,536 25	
Contracts for painting:—			
Painting steel work of spans 1, 2, 3, 4, 5 and 6:—			
Daniels & Howlett Co. .	$1,858 00		
M. A. Feeley . . .	1,210 00		
Peter A. Hoban . . .	721 93		
Painting fences and lamp-posts:—			
Daniels & Howlett Co. .	2,566 55		
M. A. Feeley . . .	2,173 75		
		8,530 23	
Expansion plates, American Mason Safety Tread Co. .		74 25	
Expenses of dedication of bridge:—			
Carriage and automobile hire:—			
Motor Car Renting Co. . . $25 00			
G. F. Whiting & Co. . . 25 00			
	$50 00		
Cash expended, E. A. Counihan:—			
Clerical assistance . . $2 50			
Ticket - takers and ushers . 13 50			
	16 00		
Engraving invitations and luncheon cards:—			
M. T. Callahan . .	75 00		
Erecting seats, F. B. Furbish	211 12		
Fireworks:—			
National Fireworks Co. . $275 00			
John Serpico & Co. . . 250 00			
	525 00		
Amounts carried forward . .	$877 12	$89,802 61	$54,173 06

Public Highways and Sanitation—Continued.

CAMBRIDGE BRIDGE—Continued.

Amounts brought forward . .	$877 12	$89,802 61	$54,173 06
Luncheons:—			
Riverbank Court Hotel Co.	$108 25		
Music, sundry persons, as per pay-roll	123 00		
Planking scows, driving dolphins, etc.:—			
Holbrook, Cabot & Rollins Corp.	342 33		
Services as agent:—			
John J. Curley . . .	25 00		
Services of man taking care of lights:—			
Cambridge Elec. Light Co. .	1 20		
Teaming, P. Donovan . .	3 12		
Tickets:—			
J. A. Cummings Printing Co. . $5 00			
Louis F. Weston 88			
	5 88		
		1,485 90	
Fuel:—			
Coleman Bros. . . .	$18 46		
Consumers' Coal Co. . .	4 83		
		23 29	
Furnishing and installing Universal Safety Tread:—			
Universal Safety Tread Co. .		102 50	
Gas fitting in tower:—			
W. H. Griffith & Co. . .		18 77	
Glazing for abutment towers:—			
Whitcomb & Kavanaugh .		137 50	
Glazing for lamps:—			
Pittsburgh Plate Glass Co.		227 43	
Granite templates:—			
Austin Ford & Son . .		42 00	
Hardware, tools and supplies:—			
E. T. Bynner . . .	$9 25		
P. J. Dinn & Co. . . .	5 15		
H. J. Shaw	2 00		
		16 40	
Ice, Boston Ice Co. . . .		20 23	
Iron doors, fence and gates:—			
P. J. Dinn & Co. . . .		367 91	
Iron plates:—			
G. W. & F. Smith Iron Co.		128 00	
Lamps for towers:—			
Cambridge Elec. Light Co. .		20 30	
Lighting bridge:—			
Cambridge Elec. Light Co. .	$1,018 22		
Boston Consolidated Gas Co.	178 91		
Edison Electric Illum. Co.	572 49		
		1,769 62	
Amounts carried forward . .		$94.162 46	$54,173 06

Public Highways and Sanitation—Continued.

CAMBRIDGE BRIDGE—Continued.

Amounts brought forward . .		$94,162 46	$54,173 06
Models and carving on towers:—			
John Evans & Co. . .		748 63	
Paint:—			
Wadsworth, Howland & Co.	$173 12		
Watson, Hallett & Co. .	1,230 43		
		1,403 55	
Paving blocks:—			
Pigeon Hill Granite Co. .		153 00	
Photographs, Whitney & Son .		7 50	
Plans, E. M. Wheelwright:—			
Professional services . .	$1,000 00		
Draughting	359 75		
Telephone tolls . . .	3 68		
Traveling expenses . .	25 46		
		1,388 89	
Push carts and cans, brooms and scrapers:—			
New England Broom Co. .		45 13	
Removal of temporary bridge:—			
Geo. T. Rendle . . .		277 56	
Removing poles and wires:—			
Edison Elec. Illum. Co. .		19 19	
Rent of room:—			
Catherine B. Rowe . .		260 00	
Repairs:—			
City of Boston, Water Dept.		32 89	
Running electric service to tower:—			
Edison Electric Illum. Co. .		450 00	
Sand and spreading:—			
Austin Ford & Son . .	$2 50		
John T. Scully Foundation and Transportation Co. .	10 50		
		13 00	
Services, preparing evidence and plans in Ginty case:—			
L. M. Hastings . . .		25 00	
Services, advice and conferences:—			
G. A. A. Pevey . . .		607 50	
Stationery:—			
City of Boston, Print'g Dept.		2 84	
Stonecutting, drilling, etc.:—			
Austin Ford & Son . .		1,010 92	
Telephone service . . .		55 79	
Traveling expenses on visits of inspection:—			
Wm. Jackson . . .		221 82	
Trestles:—			
C. W. H. Moulton & Co. .		14 00	
Typewriting, A. R. Andrews .		1 50	
Watering bridge:—			
Austin Ford & Son . .		300 01	
Amounts carried forward . . .		$101,201 18	$54,173 06

Public Highways and Sanitation—Continued.

CAMBRIDGE BRIDGE—Concluded.

Amounts brought forward . .		$101,201 18	$54,173 06
Wire enclosures for stairs in towers:—			
P. J. Dinn & Co. . . .		174 00	
Total expenses of bridge		$101,375 18	

APPROACH TO CAMBRIDGE BRIDGE.

Expenses incurred by Commissioners:—			
Carriage hire, Boston Cab Co.	$3 00		
Examining titles:—			
Wm. V. Thompson . .	50 00		
Recording documents:—			
E. O. Childs, Register . .	2 70		
Lamp-post bases:—			
G. W. & F. Smith Iron Co.	78 72		
		134 42	
Expense, suit of Julia E. Morris:—			
Cash expended, G. A. A. Pevey	$3 40		
Execution of court:—			
Julia E. Morris . . .	2,500 00		
Expenses, obtaining evidence:—			
J. A. Cox	18 00		
Professional services:—			
Chas. L. Scudder, M.D. .	150 00		
Services, witness fees, and expenses:—			
Frank McArthur . . .	58 00		
Taking depositions:—			
T. M. Marois . $35 00			
F. L. Stewart . 10 00			
Ralph Woodworth . . 15 00			
	60 00		
Witness fees:—			
Jas. Anderson . $8 00			
E. A. Baker . . 10 00			
Jas. J. Corbalis . 6 00			
A. J. Drady . 15 00			
Fred Hall . . 6 00			
	45 00		
		2,834 40	
Expenses incurred by City Engineer:—			
Bricks, New Eng. Brick Co.	$43 25		
Filling:—			
John T. Scully Foundation and Transportation Co. .	113 50		
Teaming, sundry persons .	17 50		
		174 25	
Expenses incurred by Street Dept.:—			
Labor, sundry persons, as per pay-roll . . .	$898 64		
Bricks, Parry Brick Co. .	95 25		
Chain, Austin Ford & Son	8 25		
Amounts carried forward . .	$1,002 14	$3,143 07	$54,173 06

Public Highways and Sanitation—Continued.

CAMBRIDGE BRIDGE, APPROACH TO CAMBRIDGE BRIDGE—Concluded.

Amounts brought forward . .		$1,002 14	$3,143 07	$54,173 06
Granolithic sidewalk:—				
Warren Bros. Co. . .		120 00		
Gravel and freight:—				
Boston & Maine R. R. . .	$11 75			
Wm. B. Mullen .	10 69			
		22 44		
Lumber, Wm. H. Wood & Co. .		1 20		
Oil, Thomas R. Nevins . .		20 16		
Paint, etc., E. T. Bynner . .		10 42		
Sand:—				
John T. Scully Foundation and Transportation Co. .		253 11		
Stone:—				
Edgestone:—				
John J. Horgan	$23 45			
Granite flagging:—				
S. & R. J. Lombard . .	36 50			
Granite paving blocks:—				
S. & R. J. Lombard . .	709 05			
		769 00		
Teaming, sundry persons, as per pay-roll		210 00		
			2,408 47	
Total expense of approach			$5,551 54	
Total expense, Cambridge Bridge and approach				106,926 72
Excess of expenditures over appropriation . .				$52,753 66
Additional appropriations				55,000 00
Balance relinquished to general treasury . .				$2,246 34

BRIDGES (4.12)

BROOKLINE BRIDGE APPROACH.

Appropriation				$3,483 89
EXPENDED.				
Expended by Engineering Dept.:—				
For labor, sundry persons, as per pay-roll		$24 63		
Extension of plank on Cambridge end of bridge:—				
W. H. Ellis		66 42		
Filling, Michael Shea . .		42 00		
Keys, L. L. Phipps & Co. . .		50		
Lumber:—				
Geo. W. Gale Lumber Co. .		10 46		
			144 01	
Amounts carried forward . .			$144 01	$3,483 89

Public Highways and Sanitation—Continued.

BROOKLINE BRIDGE APPROACH—Concluded.

Amounts brought forward . .		$144 01	$3,483 89
Expended by Street Dept.:—			
For labor, sundry persons, as per pay-roll	256 05		
Bricks, Parry Brick Co. .	148 80		
Fuel, Consumers' Coal Co. .	13 59		
Gravel and crushed stone:—			
John S. Lane & Son . . $307 63			
W. J. McCarthy . 68 38			
	376 01		
Hardware and supplies:—			
Brock Bros. . $2 70			
E. T. Bynner . 3 80			
	6 50		
Paint, E. T. Bynner . .	16 00		
Stone, S. & R. J. Lombard .	67 87		
Teaming, sundry persons, as per pay-roll . . .	245 63		
Vitrified paving blocks and freight:—			
N. Y. Central & Hudson River R. R. Co. . .	577 45		
		1,707 90	
Total			1,851 91
Surplus of appropriation relinquished to general treasury			$1,631 98

BRIDGES (4.12)

COMMERCIAL AVENUE BRIDGE.

Appropriation			$55,000 00
EXPENDED.			
For advertising:—			
Boston Herald Co. . .	$23 25		
Cambridge Chronicle . .	25 50		
Engineering News Pub. Co.	24 00		
		$72 75	
Blue print paper:—			
Charles E. Moss . .		5 00	
Cement:—			
Sewer Dept. (transfer) .		15 57	
Cinders, G. Bellizia . . .		76 80	
Contract for plans, specifications, supervision, etc.:—			
Scherzer Rolling Lift Bridge Co.		1,350 00	
Amounts carried forward . .		$1,520 12	$55,000 00

Public Highways and Sanitation—Continued.

COMMERCIAL AVENUE BRIDGE—Concluded.

Amounts brought forward . .		$1,520 12	$55,000 00
Contract for piers, walls and foundations:—			
Hugh Farrell . . .	$15,726 63		
Extras	398 63		
		16,125 26	
Gravel, Wm. B. Mullen . .		34 23	
Inspection of materials:—			
Nelson A. Hallett . .	$17 50		
Pittsburgh Testing Laboratory	30 32		
		47 82	
Labor, as per pay-rolls . .		163 95	
Lumber:—			
Geo. W. Gale Lumber Co. .		11 16	
Printing, Louis F. Weston .		16 00	
Services as inspector:—			
E. W. Ellis		748 00	
Teaming, T. A. Callaghan .		5 00	
Twisted steel:—			
Arthur C. Harvey Co. . .		168 23	
Total, including $15.57 transfers			18,839 77
Surplus of appropriation relinquished to general treasury			$36,160 23

BRIDGES (4.12)

SOLDIERS' FIELD BRIDGE.

Appropriation			$500 00
EXPENDED.			
For advertising:—			
Boston Daily Advertiser .	$1 25		
Cambridge Chronicle . .	3 50		
Cambridge Sentinel . .	1 25		
Cambridge Tribune . .	88		
Globe Newspaper Co. . .	94		
Times Publishing Co. . .	75		
		$8 57	
Reporting hearing, C. H. Robbins		9 67	
Total			18 24
Surplus of appropriation relinquished to general treasury			$481 76

Public Highways and Sanitation—Continued.

BRIDGES (4.12)

BRIDGES, STREET DEPARTMENT.

Appropriation			$5,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For reimbursement of amount paid for extra draw-tenders:—			
Charles River Basin Commission	$2,098 00		
EXPENDED.			
For salaries of:—			
Draw-tenders:—			
John Gaughan	$1,000 00		
James Corbalis	1,000 00		
		2,000 00	
Assistant draw-tenders:—			
Robert H. Ambrose	$14 00		
William Flynn	472 00		
Thos. W. Gaughan	326 00		
Edwin M. Heeney	400 00		
Edward J. Maloney	152 00		
Wm. L. Martin	742 00		
John J. O'Connell	16 00		
Hugh F. O'Rourke	742 00		
		2,864 00	
Labor, sundry persons, as per pay-roll		754 16	
Blacksmithing and iron work:—			
Jas. Flynn Architectural Iron Works Co.	$27 35		
H. J. Shaw	209 70		
		237 05	
Carpentry:—			
John T. Scully Foundation and Transportation Co.		290 75	
Hardware and supplies:—			
E. T. Bynner		34 08	
Lumber:—			
Geo. W. Gale Lumber Co.	$131 24		
Geo. McQuesten Co.	383 48		
Wm. H. Wood & Co.	685 27		
		1,199 99	
Motor repairs:—			
Cambridge Elec. Light Co.		35 73	
Motor service:—			
Cambridge Elec. Light Co.		80 00	
Oakum:—			
Boston Engineers' Supply Co.		7 50	
Printing, Cambridge Chronicle	3 00		
Salt, Eastern Salt Co.		21 00	
Teaming, sundry persons, as per pay-roll		10 00	
Total			7,537 26
Excess of expenditure over appropriation			$2,537 26
Additional appropriation			2,631 62
Balance relinquished to general treasury			$94 36

Public Highways and Sanitation—Continued.

BRIDGES, STREET DEPARTMENT—Concluded.

SUMMARY — EXPENDED.

Salaries of draw-tenders and assistants		$4,864 00
First Street Bridge:—		
Labor	$142 39	
Repairs and supplies	417 56	
		559 95
Third Street Bridge:—		
Labor	$151 76	
Repairs and supplies	321 83	
Teaming	10 00	
		483 59
Sixth Street Bridge:—		
Labor	$359 51	
Repairs and supplies	1,008 12	
		1,367 63
Walden Street Bridge:—		
Repairs and supplies		39 43
Mt. Auburn Bridge:—		
Labor	$100 50	
Repairs and supplies	122 16	
		222 66
Total		$7,537 26

MISCELLANEOUS (4.13)

DAMAGES TO PERSONS AND PERSONAL PROPERTY.

Appropriation $2,500 00

EXPENDED.

For executions of court:—			
Annie L. Kaine	$30 00		
Ellen McLaughlin	415 00		
Beecher A. McPhail	125 00		
Mary L. Withington	200 00		
		$770 00	
Damages awarded:—			
W. R. Cleveland	$5 00		
Lothrop J. Cloyes	5 00		
Margaret Connell	2 00		
Winifred V. Dean	300 00		
Annie Donahue	35 00		
John Elston	200 00		
Mary E. Gage	5 00		
Amounts carried forward	$552 00	$770 00	$2,500 00

Public Highways and Sanitation—Concluded.

DAMAGES TO PERSONS AND PERSONAL PROPERTY—Concluded.

Amounts brought forward . .	$552 00	$770 00	$2,500 00
Bridget A. Grady . .	200 00		
Mrs. Joseph Johnson . .	5 00		
William Kasperowicz . .	25 00		
Anthony J. Kreuger . .	25 00		
John Lowe	20 00		
Mrs. F. G. Martin . .	10 00		
Mrs. C. Morache . . .	8 00		
Wm. P. Moriarty . . .	25 00		
Wm. S. Mullen . . .	5 00		
Peter Nelligan . . .	10 00		
Catherine Parsons . .	100 00		
Melissa V. Payson . .	50 00		
Alice Phelan . . .	6 00		
Philip F. Reiss . . .	40 00		
		1,081 00	
Total			1,851 00
Surplus of appropriation relinquished to general treasury			$649 00

MISCELLANEOUS (4.13)

CIVIL SERVICE DEPARTMENT.

Appropriation		$350 00
EXPENDED.		
For salary of clerk:—		
Harry L. Lincoln . .	$300 00	
Binding:—		
David Farquhar . . .	1 50	
Cash expended for copy of record:—		
Harry L. Lincoln . . .	25	
Stationery and printing:—		
Wm. M. L. McAdams . .	46 85	
Total		348 60
Surplus of appropriation relinquished to general treasury		$1 40

SCHEDULE A-VIII

APPROPRIATIONS AND EXPENDITURES

No. 5

MUNICIPAL ENTERPRISES

5. MUNICIPAL ENTERPRISES.

WATER DEPT. (5.1).

CONSTRUCTION, GENERAL.

Appropriation	$20,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For labor and materials . .	$749 96	
Old materials .	86 27	
	$836 23	

EXPENDED.

For labor as per pay-rolls . .		$4,578 40	
Advertising:—			
Cambridge Chronicle . .		7 50	
Building foundation for ice water foundation:—			
John B. Byrne . . .		71 32	
Building manhole, etc.:—			
John B. Byrne . . .		43 82	
Clay, Eastern Clay Goods Co.		1 50	
Drilling, Blanchard Machine Co.		1 65	
Expressage and freight:—			
Sundry persons . . .		4 95	
Gate boxes:—			
Walworth Mfg. Co. . .		98 75	
Gravel:—			
Wm. B. Mullen . .		11 58	
Hardware, tools and supplies:—			
James Maitland . .		125 68	
Hydrants:—			
Chapman Valve Mfg. Co. .		117 60	
Ice-water fountain:—			
Pawtucket Foundry Co. .		325 00	
Lead:—			
Chadwick Boston Lead Co.	$476 64		
Waite, Ranlet & Co. .	389 39		
		866 03	
Lumber:—			
Wm. H. Wood & Co. .		30 62	
Meters, meter boxes and fittings:—			
Hersey Manufacturing Co.	$140 00		
Meter Appliance Co. .	28 80		
Neptune Meter Co. . .	70 00		
Henry R. Worthington .	80 00		
		318 80	
Amounts carried forward . .		$6,603 20	$20,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

CONSTRUCTION, GENERAL—Concluded.

Amounts brought forward . .		$6,603 20	$20,000 00
Pipe and fittings:—			
Barbour-Stockwell Co. .	$106 94		
Davis & Farnum Mfg. Co.	657 35		
Fred A. Houdlette & Son .	7,309 49		
Metropolitan Water and Sewerage Board . .	20 65		
Walworth Mfg. Co. . .	22 67		
Warren Foundry and Machine Co. . . .	2,281 97		
		10,399 07	
Renewing asphalt pavement:—			
Barber Asphalt Paving Co.		27 63	
Street repairs:—			
Street Dept. (transfer) .		16 50	
Teaming:—			
Thomas Campbell . .	$25 00		
Thomas O'Hara . .	2 50		
		27 50	
Valves, gates, etc.:—			
Chapman Valve Mfg. Co. .	$118 28		
Walworth Mfg. Co. . .	94 66		
		212 94	
Total, including $16.50 transfers . . .			17,286 84
Surplus of appropriation			$2,713 16
Transfer from this account to Water Works, Construction Meters			1,000 00
Balance relinquished to general treasury . .			$1,713 16

WATER DEPT. (5.1)

CONSTRUCTION, METERS.

Appropriation	$5,000 00

EXPENDED.

For labor, sundry persons, as per pay-rolls		$1,419 00	
Advertising:—			
Cambridge Chronicle .		7 00	
Cement:—			
Waldo Bros. . . .		53 06	
Check valves and fittings:—			
Herbert L. Rose . .	$ 55		
Walworth Mfg. Co. . .	424 05		
		424 60	
Expressage:—			
Sundry persons . .		9 66	
Amounts carried forward . .		$1,913 32	$5,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

CONSTRUCTION, METERS—Concluded.

Amounts brought forward . .		$1,913 32	$5,000 00
Frames and grates:—			
Barbour-Stockwell Co. .		158 70	
Lumber:—			
Wm. H. Wood & Co. .		81 13	
Meters:—			
Henry R. Worthington .	$3,239 30		
Neptune Meter Co. . .	135 00		
		3,374 30	
Meter boxes:—			
Eastern Expanded Metal Co.	$60 48		
The Meter Appliance Co. .	40 40		
		100 88	
Pipe and fittings:—			
Walworth Mfg. Co. . .		206 29	
Total			5,834 62
Excess of expenditures over appropriation .			$834 62
Transfer to this account from Water Works, Construction General			1,000 00
Balance relinquished to general treasury . .			$165 38

WATER DEPT. (5.1)

CONSTRUCTION, BROAD CANAL CONDUITS.

Appropriation			$23,000 00
EXPENDED.			
For salary of inspector:—			
Edwin W. Ellis . .		$536 50	
Advertising:—			
Cambridge Chronicle .		7 25	
Contract for constructing pipe tunnels:—			
The Chas. R. Gow Co. .		22,000 00	
Cutting out and replacing shaft:—			
The Chas. R. Gow Co. .		28 23	
Hardware, tools and supplies:—			
Boston Bolt Co. . .		4 97	
Stopping leaks:—			
The Chas. R. Gow Co. .		99 91	
Use of derrick, etc., installing pipe in tunnels:—			
The Chas. R. Gow Co. .		125 00	
Total			22,801 86
Surplus of appropriation relinquished to general treasury			$198 14

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

CONSTRUCTION, HOBBS' BROOK CONDUIT.

Appropriation	$25,000 00
Additional appropriation	25,000 00
	$50,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For refund on gas bill	$6 37
Merchandise returned	11 24
Old materials	52 37
	$69 98

EXPENDED.

For services of civil engineer and expenses, Freeman C. Coffin:—			
Personal services	$343 75		
Assistants and expenses	573 52		
		$917 27	
Salaries of:—			
Supt. of Construction:—			
Charles G. Craib	$350 00		
General Inspector:—			
Edw. W. Quinn	45 00		
Clerk, Mabel M. Robbins	48 00		
Clerk of Water Board:—			
W. H. Harding	92 80		
Laborers, as per pay-roll	2,333 90		
		2,869 70	
Analysis of cement:—			
Nelson A. Hallett		7 00	
Award of damages for injuries:—			
Michael Zeigler	$500 00		
Michael Rooney	56 00		
		556 00	
Carriage hire for paymaster:—			
John J. Shea		10 00	
Car fares, sundry laborers and engineers:		37 75	
Cement, Waldo Bros.		779 43	
Examining titles, G. D. Wildes		105 00	
Freight, Boston & Maine R. R.		38 21	
Fuel, W. H. Pevear & Co.		338 80	
Expense of restoration of Grove and Willow Streets, and playground, by City of Waltham:—			
Labor, sundry persons, as per pay-roll	$485 84		
Broken stone:—			
Waltham Trap Rock Co.	30 69		
Amounts carried forward	$516 53	$5,659 16	$50,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

CONSTRUCTION, HOBBS' BROOK CONDUIT—Continued.

Amounts brought forward . .	$516 53	$5,659 16	$50,000 00
Concrete paving, C. F. Hays	43 18		
Fuel, Waltham Coal Co. .	10 38		
Grass seed:—			
Jos. Breck & Sons Corp. .	48 90		
		618 99	
Expense of inspection by Water Board:—			
Automobile rental:—			
Harvard Automobile Co. .	$30 00		
Carriage hire:—			
Geo. E. Francis . $10 00			
Frank P. Merrill . 5 00			
Fred D. Norton . 10 00			
H. K. Parsons & Co. . . 7 00			
G. F. Whiting & Co. . . 10 00			
	42 00		
Dinners, A. Bullard . .	16 05		
		88 05	
Gravel, sand and filling:—			
John T. Joyce . . .	$106 20		
P. J. O'Malley . . .	2,416 56		
Estate of Joshua C. Stone	7 20		
		2,529 96	
Hardware, tools and supplies:—			
Harold L. Bond Co. . .	$3 00		
Boston Bolt Co. . .	18 00		
A. C. Fletcher . . .	6 27		
E. P. Keefe . . .	4 65		
Waldo Bros. . . .	6 00		
		37 92	
Hay, straw, etc.:—			
S. B. Green & Co. . .		12 72	
Labor and materials:—			
Waltham Water Works .		44 13	
Land and damage:—			
Mary Bradley . . .	$500 00		
Chas. Brigham, executor of the will of Nancy W. Groeschner . . .	400 00		
James T. Bustin . .	200 00		
Horace Chenery . .	1,500 00		
Hermisdas Cousineau .	25 00		
Mary A. Dwyer . .	500 00		
Alfred A. Glidden . .	4,500 00		
John Kenney . . .	700 00		
Lovell Bros. . . .	100 00		
Thomas McLaughlin . .	260 00		
A. B. Murdough . .	75 00		
Alexander Murray . .	1,000 00		
Amounts carried forward . .	$9,760 00	$8,990 93	$50,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

CONSTRUCTION, HOBBS' BROOK CONDUIT—Continued.

Amounts brought forward . .	$9,760 00	$8,990 93	$50,000 00
Anselm Ostridge . .	200 00		
Cora A. Poor . . .	500 00		
Bridget A. Riley . .	500 00		
Edward Rockett . .	1,100 00		
Ellen F. and Frank T. Turk	940 00		
Mary F. Womersley . .	300 00		
		13,300 00	
Lumber, Watertown Lumber Co.		1,220 04	
Moving poles:—			
Newton & Watertown Gas Light Co. . . .	$4 90		
Waltham Gas Light Co. .	5 00		
		9 90	
Oil:—			
Standard Oil Co. of N. Y.	$9 00		
New England Oil Co. .	56 05		
		65 05	
Painting shed, J. H. Roughton		33 00	
Photographs, Whitney & Son		15 00	
Pipe and fittings:—			
Builders' Iron Foundry .	$525 00		
Chapman Valve Mfg. Co. .	265 00		
Coffin Valve Co. . .	93 00		
A. C. Fletcher . . .	28 26		
		911 26	
Plumbing, D. F. Keefe . .		10 02	
Police service:—			
Michael J. Hardigan .	$20 56		
James F. Rhodes . .	17 99		
		38 55	
Premium for liability insurance:—			
Samuel Appleton . .		1,259 62	
Recording documents:—			
Edwin O. Childs, Register .		8 10	
Rent of barn, land, etc.:—			
The Howard Ice Co. . .	$24 45		
John F. McDonough . .	47 00		
		71 45	
Rental of machinery:—			
Carson Trench Machine Co.	$243 67		
Wm. Dwyer & Co. . .	526 00		
C. C. Rollins . . .	58 00		
Geo. E. Worthen . .	64 00		
		891 67	
Repairing sewer lateral:—			
City of Waltham . .		3 00	
Repairing sewer connections:—			
Town of Watertown . .		1,036 53	
Repairing sundry streets:—			
Town of Watertown . .		7,000 00	
Amounts carried forward . .		$34,864 12	$50,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

CONSTRUCTION, HOBBS' BROOK CONDUIT—Concluded.

Amounts brought forward . .		$34,864 12	$50,000 00
Services in appraisal:—			
Fred E. Critchett . .	$25 00		
S. S. Gleason . . .	25 00		
		50 00	
Stationery, printing and office expenses:—			
Boston Stencil and Stamp Works	$ 50		
Cambridge Chronicle .	15 25		
Wm. M. L. McAdams .	6 00		
Remington Typewriter Co.	3 00		
		24 75	
Supporting tracks during building of pipe-line:—			
Boston & Maine R. R. .		156 80	
Teaming:—			
Sundry persons as per payroll	$648 44		
T. F. Kelly . . .	637 50		
King, Boyd & Co. . .	244 00		
		1,529 94	
Telephone service . .		24 31	
Use of horse and carriage:—			
John A. Hubbard . .		84 00	
Water used:—			
A. P. Murray . . .	$7 00		
City of Waltham . .	236 57		
Town of Watertown .	280 60		
		524 17	
Total			37,258 09
Surplus of appropriation relinquished to general treasury			$12,741 91

WATER DEPT. (5.1)

SERVICES OF CITY SOLICITOR.

Appropriation		$1,000 00
EXPENDED.		
For legal advice and services of City Solicitor:—		
City of Cambridge (transfer)	$1,000 00	
Total		$1,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE.

SALARIES OF SUPERINTENDENT, REGISTRAR, CLERK OF BOARD, INSPECTORS AND CLERKS.

Appropriation			$11,500 00
EXPENDED.			
For salaries of:—			
Superintendent, E. C. Brooks		$2,173 70	
Registrar and Clerk of Board:—			
Walter H. Harding		2,407 20	
Inspectors:—			
Fred G. Davis	$1,000 00		
Cornelius E. McGuire	1,000 00		
Jeremiah J. Reagan	1,000 00		
		3,000 00	
Clerks:—			
Harry L. Lincoln	$1,200 00		
Frank W. Cone	1,040 00		
Hattie F. Milligan	780 00		
Mabel M. Robbins	732 00		
		3,752 00	
Total			11,332 90
Surplus of appropriation relinquished to general treasury			$167 10

GENERAL EXPENSES.

Appropriation		$24,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For maintenance	$874 67	
Off and on	593 00	
Rent	122 00	
Seals	73 75	
Supply	4,916 18	
Accrued interest	144 67	
Rates, fines, etc.	380,257 40	
	$386,981 67	
EXPENDED.		
For labor as per pay-roll	$17,728 89	
Labor, Robert Demont	48 00	
Salary of Treasurer of Water Loan Sinking Fund:—		
Wm. W. Dallinger	200 00	
Amounts carried forward	$17,976 89	$24,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$17,976 89	$24,000 00
Advertising:—			
Cambridge Chronicle .	$19 00		
Cambridge Sentinel . .	7 00		
Cambridge Tribune . .	6 75		
Times Publishing Co. .	7 00		
		39 75	
Automobile supplies and repairs:—			
Duff Spring Co. . .	$2 75		
Alvan T. Fuller . . .	796 15		
		798 90	
Binding reports:—			
J. H. H. McNamee Co. .		1 35	
Bricks, S. & R. J. Lombard .		12 50	
Cabinet, Irving & Casson .		87 00	
Car tickets:—			
Boston Elevated Ry. Co. .	$250 00		
Boston & Maine R. R. .	12 00		
Newton Street Ry. Co. .	20 00		
		282 00	
Carriage and wagon repairs:—			
Wm. Elliot & Co. . .	$128 80		
Chas. Waugh & Co. .	87 95		
		216 75	
Carriage hire:—			
G. F. Whiting & Co. .		243 50	
Chair, Paine Furniture Co. .		11 50	
Damages for injuries received:—			
Solon Vaughan . . .	$60 00		
Mary Welch . . .	650 00		
		710 00	
Damage from leaking water mains, etc.:—			
J. E. Muldoon . . .	$20 90		
Elizabeth A. O'Reilly .	25 00		
		45 90	
Directory:—			
W. A. Greenough & Co. .		4 00	
Drilling and plugging holes:—			
Blanchard Machine Co. .		7 07	
Drilling holes in watering trough:—			
Austin Ford & Son . .		8 40	
Expressage and freight:—			
American Express Co. .	$7 00		
Dodge Express Co. . .	53 67		
Sundry persons . .	4 53		
		65 20	
Extra compensation as commissioner in John C. Gray's tax appeal:—			
Robert P. Clapp . .		95 00	
Amounts carried forward . .		$20,605 71	$24,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, GENERAL EXPENSES—Continued.

Amounts brought forward		$20,605 71	$24,000 00
Fountain repairs:—			
J. L. P. Ackers	$16 24		
Samuel McCulloch	23 28		
Roberts Iron Works Co.	2 13		
Herbert L. Rose	1 50		
H. J. Shaw	11 98		
		55 13	
Fuel:—			
Bay State Fuel Co.	$33 75		
Coleman Bros.	31 25		
		65 00	
Gasoline:—			
J. A. Holmes & Co.	$6 60		
Standard Oil Co. of N. Y.	17 25		
		23 85	
Hardware, tools, repairs, and stable supplies:—			
Barbour-Stockwell Co.	$2 10		
Boston Bolt Co.	6 06		
Harold L. Bond Co.	70 71		
Boston Woven Hose and Rubber Co.	3 30		
C. J. Brooks	3 60		
Bryant & Co.	4 00		
E. T. Bynner	74 73		
Estate of Charles Carr	5 75		
Chandler & Farquhar Co.	21 98		
Clark & Mills Electric Co.	5 05		
Dennison Mfg. Co.	7 75		
Dodge-Haley Co.	47 01		
Dover Stamping & Mfg. Co.	6 70		
James Dowd	8 00		
Edson Mfg. Co.	16 75		
Henry F. Farrow & Co.	6 40		
Globe Gas Light Co.	16 45		
Greene & Co.	19 90		
J. A. Higgins	8 04		
J. A. Holmes & Co.	6 30		
James Maitland	170 39		
John A. Pendergast	2 25		
Richardson & Clement	3 50		
A. M. Robbins	3 35		
Herbert L. Rose	7 20		
Sartwell, Heinold & Humphrey	15 54		
Simplex Electrical Co.	5 00		
Sundry persons	5 38		
James H. Wyeth & Co.	4 15		
		557 34	
Harness and repairs, and horse clothing:—			
Wm. H. Roberts	$73 35		
Amounts carried forward	$73 35	$21,307 03	$24,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, GENERAL EXPENSES—Continued.

Amounts brought forward . .	$73 35	$21,307 03	$24,000 00
Sartwell, Heinold & Humphrey	6 90		
		80 25	
Hay, grain and straw:—			
J. Cushing & Co. . .		718 62	
Horseshoeing and clipping:—			
Wm. Balmer . . .	$120 75		
Harvard Horse Clipping Co.	3 00		
Thomas Smith & Sons .	186 75		
Street Dept. (transfer) .	8 14		
		318 64	
House and shed repairs:—			
Painting:—			
J. H. & J. P. Thayer & Co.	$247 00		
Plastering, Wm. J. Heron .	6 00		
Plumbing, Herbert L. Rose .	11 58		
Roof repairs:—			
R. E. Glancy . . .	4 00		
Howard F. Peak . .	30 20		
		298 78	
Ice, Fresh Pond Ice Co. .		5 49	
Insurance, T. H. Raymond .		55 00	
Lighting:—			
Cambridge Gas Light Co. .		7 20	
Lumber:—			
The Buttrick Lumber Co. .	$20 50		
Geo. W. Gale Lumber Co. .	58 53		
Wm. H. Wood & Co. .	1 26		
		80 29	
Meters, fittings and repairs:—			
Hersey Mfg. Co. . .	$95 04		
National Meter Co. . .	25 50		
Neptune Meter Co. . .	161 18		
Thomson Meter Co. . .	29 85		
Union Water Meter Co. .	62 17		
Henry R. Worthington .	67 92		
		441 66	
Motor service:—			
Cambridge Elec. Light Co.		60 00	
Numbers for automobile:—			
Cambridge Sign Co. .		75	
Oil:—			
Standard Oil Co. of N. Y.	$31 41		
W. A. Wood Co. . .	3 00		
		34 41	
Paint:—			
Nat'l Paint and Varnish Co.		10 00	
Pipe, fittings and repairs:—			
Chapman Valve Mfg. Co. .	$796 77		
Amounts carried forward . .	$796 77	$23,418 12	$24,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, GENERAL EXPENSES—Continued.

Amounts brought forward . .	$796 77	$23,418 12	$24,000 00
Greene & Co. . .	1 38		
Walworth Mfg. Co. . .	3,153 88		
		3,952 03	
Professional services:—			
Allen Greenwood, M.D. .		40 00	
Recording documents:—			
Edwin O. Childs, Register		9 65	
Registration and license for automobile:—			
Mass. Highway Commission		7 00	
Repairs to sanitaries:—			
Herbert L. Rose . .		2 77	
Repairs to watering trough:—			
Roberts Iron Works Co. .		17 93	
Repairing pavement:—			
Street Dept. (transfer) .	$20 59		
Warren Bros. Co. . .	51 63		
		72 22	
Rubber boots:—			
American Rubber Co. .		8 05	
Sealing:—			
Sealer of Weights and Measures (transfer) . .		2 60	
Services as electrical expert:—			
Chas. H. Morse . .		200 00	
Services, lighting trench at Watertown:—			
Jas. Dowd		36 25	
Standpipes, hydrants, etc.:—			
Barbour-Stockwell Co. .	$20 35		
Chapman Valve Mfg. Co. .	81 54		
Coffin Valve Co. . .	3 75		
		105 64	
Stationery, printing and office supplies:—			
Cambridge Chronicle .	$297 75		
Cotton & Gould . .	60 00		
J. A. Cummings Printing Co.	65 48		
Dennison Mfg. Co. . .	4 75		
Wm. M. L. McAdams .	84 20		
Postage and Stationery (transfer) . . .	44 93		
Remington Typewriter Co.	2 60		
Smith & Porter Press .	41 75		
R. Woodman Mfg. and Supply Co.	2 50		
Yawman & Erbe Mfg. Co.	2 00		
		605 96	
Subscriptions:—			
Engineering News Pub. Co.	$5 00		
Geo. E. French . .	6 00		
Amounts carried forward . .	$11 00	$28,478 22	$24,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, GENERAL EXPENSES—Concluded.

Amounts brought forward . .	$11 00	$28,478 22	$24,000 00
Water and Gas Review Pub. Co.	1 00		
		12 00	
Taxes:—			
City of Waltham . .	$572 80		
Town of Belmont . .	302 44		
Lexington . .	269 04		
Lincoln . . .	109 85		
Weston . . .	60 90		
		1,315 03	
Teaming, Thomas Campbell .		5 00	
Telephone service . . .		249 20	
Total, including $76.26 transfers . . .			30,059 45
Excess of expenditures over appropriation .			$6,059 45
Additional appropriation		$5,000 00	
Transfer to this account from W. W. Maint., Fresh Pond Reservoir		$1,560 00	
Transfer to this account from W. W. Maint., Payson Park Reservoir		175 00	
Transfer to this account from W. W. Maint., Hobbs Brook Reservoir		150 00	
Transfer to this account from W. W. Maint., Stony Brook Reservoir		225 00	
			7,110 00
			$1,050 55
Transfer from this account to W. W. Maint., Pumping, Salaries and Labor . . .			100 00
Balance relinquished to general treasury . .			$950 55

MAINTENANCE, PUMPING, SALARIES AND LABOR.

Appropriation			$8,000 00
EXPENDED.			
For salaries of:—			
Engineer, W. H. Blaisdell .	$1,800 00		
Assistant engineer:—			
Geo. F. Haven . . .	1,040 00		
		$2,840 00	
For labor, sundry persons, as per pay-roll		5,239 26	
Total			8,079 26
Excess of expenditures over appropriation . .			$79 26
Amount carried forward . .			$79 26

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, PUMPING, SALARIES AND LABOR—Concluded.

Amount brought forward . .		$79 26
Transfer to this account from W. W. Maint., General Expenses		100 00
Balance relinquished to general treasury . .		$20 74

GENERAL EXPENSES.

Appropriation			$9,000 00
	EXPENDED.		
For advertising:—			
Cambridge Chronicle .		$25 25	
Electrical supplies:—			
In-er Globe Lamp Co. .	$4 10		
Pettingell-Andrews Co. .	13 96		
Sundry persons . . .	3 10		
Geo. E. Winslow . .	5 00		
		26 16	
Engine and boiler supplies and repairs:—			
Barbour-Stockwell Co. .	$5 02		
Geo. F. Blake Mfg. Co. .	41 02		
Boston Belting Co. . .	4 12		
Boston Woven Hose and Rubber Co. . . .	8 40		
A. W. Chesterton & Co. .	75 27		
Chas. A. Claflin & Co. .	22 26		
Hart Packing Co. . .	44 39		
Geo. H. Lincoln & Co. .	273 33		
Locke Regulator Co. . .	5 21		
Wm. B. Merrill & Co. .	30 00		
Philadelphia Grease Mfg. Co.	261 18		
James H. Roberts & Co. .	5 40		
Star Brass Mfg. Co. .	5 50		
Sundry persons . . .	5 26		
W. A. Wood Co. . .	277 36		
		1,063 72	
Inspection of boiler:—			
Geo. A. Luck . . .		5 00	
Expressage:—			
Sundry persons . . .		8 80	
Fuel and freight:—			
Boston & Maine R. R. .	$1,917 54		
Dartmouth Coal Co. . .	285 75		
Merchants Coal Co. . .	7,436 93		
J. P. O'Neill . . .	62 70		
Spring Coal Co. . .	646 23		
		10,349 15	
Gasoline, oil, etc.:—			
Standard Oil Co. of N. Y. .		30 15	
Amounts carried forward . .		$11,508 23	$9,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, PUMPING, GENERAL EXPENSES—Concluded.

Amounts brought forward . .		$11,508 23	$9,000 00
Hardware, tools and repairs, and supplies:—			
Harold L. Bond Co. .	$3 46		
Brock Bros. . . .	7 32		
E. T. Bynner . . .	19 78		
Chandler & Farquhar Co. .	14 04		
Hydro-Carbon Chemical Co.	3 00		
Sundry persons . . .	1 88		
James H. Wyeth & Co. .	4 25		
		53 73	
House repairs:—			
Heating apparatus repairs:—			
Greene & Co. . . .		191 09	
Ice, Fresh Pond Ice Co. . .		20 90	
Lumber:—			
Geo. W. Gale Lumber Co. .		9 46	
Mats:—			
Middlesex County House of Correction . . .		7 92	
Pipe, Walworth Mfg. Co. .		7 13	
Sealing:—			
Sealer of Weights and Measures (transfer) . .		1 39	
Sttaionery, Geo. H. Dean .		3 00	
Telephone service . . .		63 10	
Windows and painting at pumping station:—			
J. L. P. Ackers . . .		131 65	
Total, including $1.39 transfers			11,997 60
Excess of expenditures over appropriation .			$2,997 60
Additional appropriation			3,000 00
Balance relinquished to general treasury . .			$2 40

MAINTENANCE, FRESH POND RESERVOIR.

Appropriation			$8,500 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$6,261 43	
Advertising:—			
Cambridge Chronicle .		10 75	
Bicycle repairs, C. J. Brooks .		12 50	
Creosote, Samuel Cabot . .		9 18	
Crushed stone:—			
Waltham Trap Rock Co. .		44 10	
Amounts carried forward . .		$6,337 96	$8,500 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, FRESH POND RESERVOIR—Concluded.

Amounts brought forward . .		$6,337 96	$8,500 00
Fishing permit book:—			
Smith & Porter Press .		9 00	
Hardware, tools and repairs, and supplies:—			
Harold L. Bond Co. . .	$5 42		
Brock Bros. . . .	21 48		
E. T. Bynner . . .	8 25		
A. M. Robbins . . .	7 35		
Herbert L. Rose . .	10 19		
		52 69	
Harness repairs:—			
Wm. H. Roberts . .		4 25	
Horseshoeing, Street Dept. (transfer) . . .		8 48	
House repairs:—			
Papering, painting, etc.:—			
J. L. P. Ackers . . .	$52 60		
Henry Haley . . .	24 09		
		76 69	
Lumber and posts:—			
Geo. W. Gale Lumber Co. .	$6 25		
Wm. H. Wood & Co. .	70 98		
		77 23	
Oats, J. Cushing & Co. . .		76 65	
Paint, J. L. P. Ackers . .		7 20	
Painting boat, J. L. P. Ackers		10 66	
Rubber boots:—			
American Rubber Co. .		6 20	
Services as auctioneer:—			
John J. Ahern . . .		10 00	
Signs, Cambridge Chronicle .		10 00	
Use of team, James Gray .		44 63	
Total, including $8.48 transfer			6,731 64
Surplus of appropriation			$1,768 36
Transfer from this appropriation to Maintenance General			1,560 00
Balance relinquished to general treasury . .			$208 36

FRESH POND SANITARY, DRINKING FOUNTAINS, ETC.

Appropriation			$3,000 00
EXPENDED.			
For advertising:—			
Cambridge Chronicle . .		$7 00	
Contract for sanitary:—			
W. H. Mague Co. . .		663 00	
Amounts carried forward . . .		$670 00	$3,000 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, FRESH POND, SANITARY—Concluded.

Amounts brought forward . .	$670 00	$3,000 00
Mason work, John B. Byrne .	17 39	
Total		687 39
Surplus of appropriation relinquished to general treasury		$2,312 61

MAINTENANCE, HOBBS' BROOK RESERVOIR.

Appropriation		$1,600 00
EXPENDED.		
For salary of keeper:—		
J. E. Bryant . . .	$780 00	
Labor, Robert Dermont . .	36 00	
Labor, haying at Hobbs' Brook basin:—		
John J. Jurado . . . $24 75		
Francis Kersey . . . 1 00		
	25 75	
Hardware and supplies:—		
J. A. Higgins . . .	8 20	
Harness repairs and horse clothing:—		
Peter Perry . . .	13 40	
House repairs:—		
Painting, I. Poolford . . $216 50		
Repairing pump and range, F. H. Kirwin . . . 11 60		
	228 10	
Oats, J. Cushing & Co. . .	48 60	
Professional services:—		
A. Greenwood, M.D. . .	280 00	
Repairing wagon, etc.:—		
Thomas Evans . . . $3 00		
F. T. Wright . . . 4 00		
	7 00	
Telephone service . . .	21 78	
Total		1,448 83
Surplus of appropriation		$151 17
Transfer from this account to W. W. Maintenance, General Expenses		150 00
Balance relinquished to general treasury . .		$1 17

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, PAYSON PARK RESERVOIR.

Appropriation		$1,000 00
EXPENDED.		
For salary of keeper:—		
Thomas F. Reagan	$728 00	
Labor, as per pay-roll	55 00	
Fuel, Osgood & Wendell	13 75	
Hardware, tools and repairs, and supplies:—		
Brock Bros.	7 00	
Total		803 75
Surplus of appropriation		$196 25
Transfer from this account to W. W. Maintenance, General Expenses		175 00
Balance relinquished to general treasury		$21 25

STONY BROOK RESERVOIR.

Appropriation			$2,600 00
EXPENDED.			
For salary of gateman:—			
Silas Baxter	$910 00		
Assistant and special officer:—			
Geo. Faber	470 25		
Labor, sundry persons	47 00		
		$1,427 25	
Car tickets:—			
Boston & Maine R. R.		4 90	
Cleaning cesspools:—			
T. E. Coburn		307 30	
Closet cover and trough:—			
May & Freeman		5 00	
Fuel:—			
G. F. Frost Coal Co.	$16 04		
Waltham Coal Co.	14 93		
		30 97	
Hardware, tools and supplies:—			
Harold L. Bond Co.	$24 66		
Edson Mfg. Co.	63 63		
J. A. Higgins	5 41		
Benjamin R. Parker	22 02		
Sundry persons	5 06		
		120 78	
Horseshoeing:—			
M. E. Crouse	$16 20		
F. G. Helm	23 00		
		39 20	
Laying brick, Wm. Harding		3 50	
Amounts carried forward		$1,938 90	$2,600 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Continued.

MAINTENANCE, STONY BROOK RESERVOIR—Concluded.

Amounts brought forward . .		$1,938 90	$2,600 00
Lumber, Buttrick Lumber Co. .		13 60	
Oats, J. Cushing & Co. . .		89 25	
Professional services:—			
Allen Greenwood, M.D. .		200 00	
Storage of wagon:—			
J. Cushing & Co. . .		7 50	
Teaming:—			
John Roberts & Son Co. .		4 00	
Telephone service . . .		59 50	
Wagon repairs:—			
F. G. Helm . . .	$1 75		
M. E. Crouse . . .	14 90		
		16 65	
Water rates:—			
City of Waltham . .		14 00	
Sundries		2 74	
Total			2,346 14
Surplus of appropriation			$253 86
Transfer from this appropriation to Maintenance, General			225 00
Balance relinquished to general treasury . .			$28 86

ICE FOR FOUNTAINS.

Appropriation			$900 00
EXPENDED.			
For ice:—			
Cambridge Ice Co. . .	$225 39		
Fresh Pond Ice Co. . .	343 13		
Groton Ice Co. . . .	102 36		
Independent Ice Co. . .	106 88		
		$777 76	
Total			777 76
Surplus of appropriation relinquished to general treasury			$122 24

SERVICES OF CITY TREASURER.

Appropriation			$1,500 00
EXPENDED.			
For services of City Treasurer in collection of water rates, etc., City of Cambridge (transfer)		$1,500 00	
Total			1,500 00

Municipal Enterprises—Continued.

WATER DEPARTMENT—Concluded.

ABATEMENTS.

Appropriation		$3,200 00
EXPENDED.		
For abatements as per Registrar's certificate	$3,198 35	
Total		3,198 35
Surplus of appropriation relinquished to general treasury		$1 65

REFUNDS.

Appropriation		2,000 00
EXPENDED.		
For refunds as per Registrar's certificates	$4,062 37	
Total		4,062 37
Excess of expenditures over appropriation		$2,062 37
Additional appropriations		2,100 00
Balance relinquished to general treasury		$37 63

CAMBRIDGE WATER WORKS.

In account with the City of Cambridge for the year ending Nov. 30, 1907.

RECEIPTS AND EXPENDITURES.

Receipts for the year, Construction:—		Expended for:—	
Sale of Bonds	$74,000 00	Construction, General	$17,286 84
Premium on Bonds	247 50	Construction, Meters	5,834 62
Miscellaneous	906 21	Broad Canal Conduit	22,801 86
Balance brought from 1906.	25,654 07	Hobbs' Brook Conduit	37,258 09
		Services of City Solicitor.	1,000 00
		Balance to credit of 1907.	16,626.37
	$100,807 78		$100,807 78
Receipts from Maintenance:—		Expended for Maintenance, etc.:—	
Rates	$380,257 40	Abatements and Refunds.	$7,260 72
Miscellaneous	6,579 60	Interest on Water Loan.	150,165 25
Accrued Interest	144 67	Maintenance	75,764 72
		Serial Water Bond	12,500 00
		Sinking Fund	125.110 00
		Surplus Receipts	7,033 62
		Balance to Credit Interest Account	6,834 75
		Balance to Credit Fresh Pond Sanitary Account.	2,312 61
	$386,981 67		$386,981 67

Municipal Enterprises—Continued.

CEMETERY DEPT. (5.2).

SALARIES AND LABOR.

Appropriation			$16,000 00
EXPENDED.			
For salaries of:—			
Superintendent, Geo. D. Ford	$2,000 00		
Clerk, John J. McKenzie	1,080 00		
Clerk of Cemetery Commission, E. J. Brandon	150 00		
		$3,230 00	
Foreman, John H. McCarthy	$649 00		
Acting foreman, Jas. Carter	352 00		
		1,001 00	
For labor, sundry persons, as per pay-roll		11,617 77	
Total			15,848 77
Surplus of appropriation relinquished to general treasury			$151 23

GENERAL EXPENSES.

Appropriation			$3,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For brick and slate graves	$386 00		
Burials	3,025 00		
Care of lots	2,149 55		
Chapel	29 00		
Foundations	988 97		
Interest on Cemetery Fund	2,638 70		
Rent	77 00		
Repairs	46 35		
Sundries	517 70		
		$9,858 27	
Sales of lots and graves		9,513 00	
		$19,371 27	
EXPENDED.			
For belting:—			
Stoughton Rubber Co.		$25 25	
Brass figures:—			
Beckert Mfg. Co.		11 25	
Bricks:—			
New England Brick Co.		50 00	
Canvas covers:—			
Henry A. Wheeler & Co.		94 50	
Amounts carried forward		$181 00	$3,000 00

Municipal Enterprises—Continued.

CEMETERY DEPARTMENT, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$181 00	$3,000 00
Carriage hire:—			
John J. Donahue . .	$11 00		
Frank P. Merrill . .	5 00		
G. F. Whiting & Co. . .	11 00		
		27 00	
Car tickets:—			
Boston Elevated Ry. Co. .		20 00	
Cement:—			
David W. Lewis Co. . .	$59 10		
Wm. H. Wood & Co. .	55 50		
		114 60	
Clock, Nelson H. Brown .		16 00	
Decorating monument:—			
Andrew J. Hezlitt . .		23 00	
Directory:—			
W. A. Greenough & Co. .		4 00	
Expressage, C. P. Callahan .		12 40	
Fuel, Consumers' Coal Co. .		71 92	
Furniture, etc., Brock Bros. .		65 16	
Granite markers:—			
Alex. McDonald & Son .		74 25	
Hardware, tools and repairs, and supplies:—			
Jos. Breck & Sons Corp. .	$40 85		
Brock Bros. . . .	126 71		
E. T. Bynner . . .	127 85		
Moore & Hadley . .	25 29		
		320 70	
Harness and repairs:—			
Thomas McMahon . .		3 75	
Hay, grain and straw:—			
E. R. Luke & Co. . .		69 11	
Heating apparatus for office:—			
E. W. Clark . . .		79 77	
Horseshoeing, Wm. Balmer .		22 00	
Hose, Stoughton Rubber Co. .		65 00	
Laying floor, W. O. Johnson .		44 55	
Lettering markers, G. R. Sands		54 38	
Lighting:—			
Cambridge Gas Light Co. .		8 28	
Lumber, stakes, etc.:—			
Geo. W. Gale Lumber Co.	$56 97		
Wm. H. Wood & Co. . .	13 50		
		70 47	
Manure, P. J. Curley . .		299 17	
Markers, Thomas F. Royle .		74 00	
Overalls, Oak Hall Clothing Co.		20 40	
Paint, E. T. Bynner . .		16 15	
Pipe, Braman, Dow & Co. .		56 70	
Plants, seeds, etc.:—			
H. L. Cameron . .	$93 25		
W. W. Rawson & Co. .	21 50		
		114 75	
Amounts carried forward . .		$1,928 51	$3,000 00

Municipal Enterprises—Continued.

CEMETERY DEPARTMENT, GENERAL EXPENSES—Concluded.

Amounts brought forward		$1,928 51	$3,000 00
Removing moth nests:—			
John Cotter		214 00	
Repairing roof:—			
Howard F. Peak		7 25	
Sign posts:—			
Broadway Iron Foundry Co.		66 00	
Slate:—			
Proprietors of the Cemetery of Mt. Auburn		3 91	
Slate vaults, cremation boxes, etc.:—			
Thomas F. Royle		172 16	
Sods, James Gray		131 25	
Stationery, printing and office supplies:—			
Amee Bros.	$8 20		
Caustic-Claflin Co.	3 50		
Cotton & Gould	20 00		
J. A. Cummings Printing Co.	12 39		
Globe-Wernicke Co.	24 15		
Samuel Ward Co.	19 00		
Edw. W. Wheeler	70 25		
Postage and Stationery, acc. (transfer)	63 03		
Sundry persons	85		
		221 37	
Stone boat:—			
Jos. Breck & Sons Corp.		5 50	
Stone dust:—			
W. F. Cunningham		145 00	
Subscription, R. J. Haight		1 00	
Tanglefoot, O. & W. Thum Co.		16 87	
Teaming, Jeremiah Sullivan		10 00	
Telephone service		52 15	
Use of horse, Timothy Donovan		24 00	
Total, including $63.03 transfers			2,998 97
Surplus of appropriation relinquished to general treasury			$1 03

REBUILDING WALL.

Appropriation		$1,000 00
EXPENDED.		
For labor, sundry persons, as per pay-roll	$548 51	
Building moulds, W. H. Norris	74 00	
Cement, Fiske & Co.	310 07	
Amounts carried forward	$932 58	$1,000 00

Municipal Enterprises—Concluded.

CEMETERY DEPARTMENT, REBUILDING WALL—Concluded.

Amounts brought forward . .		$932 58	$1,000 00
Hardware, tools, etc.:—			
Brock Bros. . . .	$11 03		
E. T. Bynner . . .	2 00		
		13 03	
Sand, James Gray . . .		22 50	
Stone, W. F. Cunningham .		30 15	
Total			998 26
Surplus of appropriation relinquished to general treasury			$1 74

SCHEDULE A-VIII

APPROPRIATIONS AND EXPENDITURES

No. 6

PUBLIC EDUCATION, LIBRARIES, ETC.

6. PUBLIC EDUCATION, LIBRARIES, ETC.

SCHOOLS (6.1)

SALARIES OF JANITORS AND OTHERS.

Appropriation			$41,000 00
EXPENDED.			
For salaries of:—			
Head janitor, John Roach		$1,400 00	
Janitors and assistants:—			
Day schools	$39,906 94		
Evening schools	1,232 50		
		41,139 44	
Care of gymnasium at Latin School:—			
Thomas F. Cahir		22 00	
Extra services during summer session:—			
J. Joseph Corcoran	$200 00		
Geo. A. Lord	156 00		
		356 00	
Total			42,917 44
Excess of expenditures over appropriation			$1,917 44
Additional appropriation			1,925 00
Balance relinquished to general treasury			$7 56

GENERAL EXPENSES.

Appropriation			$35,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
From sale of old iron	$17 10		
EXPENDED.			
For boiler insurance:—			
Brooks & Conley		$210 00	
Expense for architect, draughtsman, stenographers, etc., in connection with proposed power plant:—			
Burke & Hughes		100 00	
Fuel:—			
H. L. Carstein	$44 69		
Consumers' Coal Co.	29,171 87		
P. F. Gayton & Co.	127 80		
Weighing, Dennis H. Long	293 64		
		29,638 00	
Amounts carried forward		$29,948 00	$35,000 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$29,948 00	$35,000 00
Lighting and motor service:—			
Cambridge Elec. Light Co.	$2,243 54		
Cambridge Gas Light Co. .	904 86		
		3,148 40	
Maintaining superintendent's horse and carriage:—			
Horse, Henry S. Harris' Sons	$184 50		
Horse board, T. W. Hillier .	286 65		
Use of horse, T. W. Hillier .	8 00		
Horseshoeing, Wm. Roach .	13 50		
Carriage repairs:—			
T. H. Kneeland . .	$40 70		
Chas. Waugh & Co. . .	50 00		
		583 35	
Repairs and alterations:—			
Advertising:—			
Cambridge Chronicle . .	$7 50		
Cambridge Sentinel . .	8 00		
		15 50	
Carpentry:—			
Francis Bain . . .	$8 25		
Chas. H. Callahan & Son .	94 79		
D. K. Dinsmore . .	131 29		
W. Fillmore Co. . .	544 41		
F. B. Furbish . . .	464 44		
C. T. Grames . . .	7 00		
Frank L. Leydon . .	399 38		
C. Mahoney . . .	37 91		
W. H. Norris . . .	5 89		
Thomas Powers . .	51 61		
John Quin & Son . .	155 22		
		1,900 19	
Cutting grass, grading and filling school yards:—			
Jeremiah Sullivan . .		284 75	
Expressage and moving furniture:—			
P. Biggin	$137 00		
Frank D. Kenney . .	33 50		
Dorr's Express . . .	50		
		171 00	
Fences and repairs:—			
James Flynn Architectural Iron Works Co. . .	$314 00		
Morss & Whyte Co. . .	180 50		
		494 50	
Forge repairs, H. J. Shaw .		6 75	
Gas engine repairs:—			
Westinghouse Machine Co.		12 80	
Granolithic and brick walks, and concrete work:—			
John B. Byrne . .	$350 00		
J. Delaney . . .	61 63		
Amounts carried forward . .	$411 63	$36,565 24	$35,000 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, GENERAL EXPENSES—Continued.

Amounts brought forward . .	$411 63	$36,565 24	$35,000 00
Simpson Bros. Corp. . .	1,033 25		
Warren Bros. Co. . .	471 40		
		1,916 28	
Heating and ventilating repairs:—			
Brock Bros. . . .	$320 81		
Brock & Eaton . . .	46 42		
J. Delaney	170 68		
S. D. Fallon . . .	131 03		
Wm. Fitzgerald & Co. .	68 00		
F. W. Foster Mfg. Co. .	43 10		
Greene & Co. . . .	447 91		
Higgins & Co. . . .	49 55		
Huey Bros.	231 11		
J. J. Hurley & Co. . .	1,300 00		
Wm. B. Merrill & Co. .	20 00		
Chas. H. Millner . .	109 47		
Moynahan & Co. . .	1,013 86		
Wm. H. O'Leary . .	68 12		
Roberts Iron Works Co. .	273 82		
Sidney Smith . . .	15 44		
Walworth Mfg. Co. . .	110 30		
Sundry persons . . .	2 52		
		4,422 14	
Iron gates and lockers, and repairs:—			
Builders' Iron and Steel Co.	$15 08		
J. B. Hunter & Co. . .	110 40		
Wm. B. Merrill & Co. . .	3 48		
Morss & Whyte Co. . .	28 50		
		157 46	
Lighting apparatus and electrical repairs:—			
Brock Bros. . . .	$3 95		
Bryant & Co. . . .	169 02		
E. W. Clark . . .	22 39		
Clark & Mills Electric Co.	94 25		
T. J. Daly . . .	142 99		
Electric Goods Mfg. Co. .	31 41		
Lehan Electric and Gas Equipment Co. . .	202 84		
Warren W. Scott . .	36 20		
		703 05	
Locks and repairs:—			
Brock Bros. . . .	$12 06		
Morss & Whyte Co. . .	82 52		
		94 58	
Mason work:—			
Brock Bros. . . .	$33 40		
John B. Byrne . . .	32 63		
Daniel Cronin . . .	131 90		
J. Delaney	36 07		
McGahey & O'Connor .	96 85		
Walsh Bros. . . .	50 25		
		381 10	
Amounts carried forward . .		$44,239 85	$35,000 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$44,239 85	$35,000 00
Painting, whitening, glazing, etc.:—			
J. L. P. Ackers . . .	$78 30		
C. P. Alberts . . .	133 50		
W. J. Edwards . . .	126 87		
M. A. Feeley . . .	10 00		
F. A. Follansbee . .	28 00		
John M. Forrest . .	21 75		
William Foy . . .	13 23		
James J. Harrington .	27 00		
J. Leo McDonald . .	895 01		
D. Mountain . . .	87 98		
T. Murphy . . .	47 72		
John Quin & Son . .	7 56		
Wahlstrom & Warner .	313 11		
		1,790 03	
Painting flag-poles:—			
Daniel Marr & Son . .		66 15	
Paving brick walk in Otis School yard:—			
Bricks, Parry Brick Co. .	$44 45		
Labor, sundry persons, as per pay-roll . . .	40 25		
Teaming, sundry persons, as per pay-roll . .	10 00		
		94 70	
Plumbing and drain work:—			
Arthur W. Balcom . .	$66 78		
Brock Bros. . . .	130 71		
John B. Byrne . . .	19 81		
Ernest W. Clark . .	128 44		
J. Delaney	249 79		
Chas. A. Fallon . .	179 06		
S. D. Fallon . . .	190 80		
Greene & Co. . . .	36 23		
Levi Hawkes . . .	60 37		
Higgins & Co. . .	11 80		
D. J. Keefe & Co. . .	334 55		
Samuel McCulloch . .	82 46		
J. T. Phelan . . .	14 03		
Herbert L. Rose . .	308 37		
W. H. Sweeney . . .	140 00		
		1,953 20	
Roof repairs:—			
John J. Blevins . .	$72 59		
Wm. Gordon . . .	38 30		
John Morrissey & Co. .	287 34		
Howard F. Peak . .	285 27		
		683 50	
Turning water off and on, Water Dept. (transfer) .		1 00	
Amounts carried forward . .		$48,828 43	$35,000 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, GENERAL EXPENSES—Continued.

Amounts brought forward . .		$48,828 43	$35,000 00
Supplies:—			
Ash cans and barrels:—			
Brock Bros. . . .	$122 00		
Brock & Eaton . .	22 50		
		144 50	
Baskets:—			
E. T. Bynner . . .	$7 00		
Worcester Bros. . .	20 00		
		27 00	
Clocks and repairs:—			
J. F. Bacon . . .	$11 75		
F. A. Colburn . . .	9 25		
Simon Flaig . . .	12 50		
T. M. Kenney . . .	32 00		
James W. Marshea . .	5 00		
James A. Rice . . .	4 75		
Standard Electric Time Co.	427 23		
Denys Zirngiebel . .	66 20		
		568 68	
Disinfectant:—			
Boston Spray Co. . .	$44 25		
La-Lo Mfg. Co. . .	7 50		
		51 75	
Dusters, brooms, brushes, etc.:—			
Boston Engineers' Supply Co.	438 23		
L. N. Brock . . .	45 00		
Brock & Eaton . .	93 73		
Brock Bros. . . .	14 00		
E. T. Bynner . . .	208 48		
Mass. Com. for the Blind	34 25		
G. H. Worcester & Co. .	97 00		
		930 69	
Electrical supplies:—			
Geo. H. Buckminster & Co.		29 13	
Furniture, furnishings and repairs:—			
American Seating Co. .	$670 78		
Boston Engineers' Supply Co.	68 40		
Brock Bros. . . .	34 52		
Cambridge Country School for Girls . . .	74 00		
C. A. Cook Co. . . .	5 13		
Derby Desk Co. . .	176 00		
Empire Rubber Mfg. Co. .	30 00		
W. Fillmore Co. . .	411 96		
Grant & Co. . . .	219 70		
S. H. Harrington . .	161 63		
Margaret M. Hogan . .	86 35		
Jordan, Marsh Co. . .	30 50		
Frank L. Leydon . .	176 37		
Smith Bros. . . .	194 50		
Amounts carried forward . .	$2,339 84	$50,580 18	$35,000 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, GENERAL EXPENSES—Concluded.

Amounts brought forward . .	$2,339 84	$50,580 18	$35,000 00
Worcester Bros. . .	561 74		
Wm. H. Zirkel . . .	9 53		
		2,911 11	
Hardware, tools and repairs, and supplies:—			
Boston Engineers' Supply Co.	$88 28		
Brock Bros. . . .	65 71		
Brock & Eaton . . .	9 60		
L. N. Brock . . .	8 85		
E. T. Bynner . . .	130 25		
Cambridge Elec. Light Co. .	20 36		
J. H. Corcoran . . .	30 65		
Electric Goods Mfg. Co. .	32 96		
T. H. Kneeland . .	11 00		
Mitchell, Woodbury Co. .	10 65		
L. A. Stingel . . .	23 17		
James H. Wyeth & Co. .	10 50		
Sundry persons . . .	7 05		
		449 03	
Ladders, C. W. H. Moulton & Co.		12 55	
Lumber, Wm. H. Wood & Co.		17 33	
Oil, Standard Oil Co. of N. Y.		30 60	
Sand, Jeremiah Sullivan . .		3 00	
Sawdust, Geo. G. Page Box Co.		40 25	
Signs, Thomas Sweeney . .		32 00	
Soap and soap powder:—			
J. H. Corcoran . . .	$6 00		
W. H. Delaney . . .	25 00		
Jas. H. Wyeth & Co. .	88 85		
		119 85	
Toilet paper:—			
Wm. H. Claflin & Co. .		53 75	
Total, including $1.00 transfer			54,249 65
Excess of expenditures over appropriation .			$19,249 65
Additional appropriations			19,250 00
Balance relinquished to general treasury . .			35

SUMMARY — EXPENDED.

For fuel	$29,638 00
Lighting	3,148 40
Repairs	15,148 68
Supplies	5,421 22
Miscellaneous . . .	893 35
	$54,249 65

Public Education, Libraries, Etc.—Continued.

HOUGHTON SCHOOLHOUSE.

Appropriation			$3,765 49
EXPENDED.			
For carpentry, W. Fillmore Co.		$150 60	
Expert services in suit of Bechtel vs. City:—			
John B. Byrne	$40 00		
Watson G. Cutter & Sons	50 00		
Wellington Fillmore	40 00		
S. J. Kelley	40 00		
		170 00	
Land and damage:—			
Nicholas F. Bechtel (execution of court)		3,400 00	
Total			3,720 60
Surplus of appropriation relinquished to general treasury			$44 89

TAYLOR SCHOOLHOUSE LAND.

Appropriation			$2,500 00
EXPENDED.			
For land, estate of Mary A. Hawkins		$2,500 00	
Total			$2,500 00

WELLINGTON SCHOOLHOUSE—ADDITION.

Appropriation			$39,770 71
EXPENDED.			
For advertising:—			
Cambridge Chronicle		$7 75	
Contract for building:—			
John B. Byrne		30,757 09	
Contract for heating and ventilating apparatus:			
J. J. Hurley & Co.		3,800 00	
Contract for plumbing:—			
Higgins & Co.		697 23	
Contract for plans for building:—			
Edw. T. P. Graham		1,232 52	
Contract for plans for heating:—			
Buerkel & Co.		190 00	
Desks, chairs, etc.:—			
American Seating Co.		1,212 50	
Amounts carried forward		$37,897 09	$39,770 71

Public Education, Libraries, Etc.—Continued.

WELLINGTON SCHOOLHOUSE—ADDITION—Concluded.

Amounts brought forward . .		$37,897 09	$39,770 71
Electric wiring and fixtures:—			
Clark & Mills Electric Co.		511 79	
Grading around building:—			
Jeremiah Sullivan . .		100 00	
Hardware, S. H. Davis Co. .		369 44	
Insurance, Brooks & Conley .		384 00	
Lamps:—			
Cambridge Elec. Light Co.		5 25	
Regulator and clocks:—			
Standard Electric Time Co.		295 00	
Shades, S. H. Harrington .		200 75	
Total			$39,763 32
Surplus of appropriation relinquished to general treasury			$7 39

CARE OF TRUANTS.

Appropriation			$2,500 00
EXPENDED.			
For board, Middlesex County Truant School . .		$3,231 43	
Transportation and expenses:—			
Boston & Maine R. R. .	$40 50		
Lucian S. Cabot . .	2 50		
Wm. H. Porter . . .	4 25		
		47 25	
Total			$3,278 68
Excess of expenditures over appropriation .			$778 68
Additional appropriation		$750 00	
Transfer to this appropriation from Vacation Schools		28 68	
			778 68

FLAGS.

Appropriation			$100 00
EXPENDED.			
For halyards, etc.:—			
Henry A. Wheeler & Co. .	$15 40		
Louis Young . . .	17 00		
		32 40	
Total			32 40
Surplus of appropriation relinquished to general treasury			67 60

Public Education, Libraries, Etc.—Continued.

SCHOOLS, INCIDENTAL EXPENSES.

Appropriation			$2,200 00
	EXPENDED.		
For salaries of:—			
Secretary, S. B. Hubbard	$400 00		
Page, Wm. E. McAnaul	25 00		
		$425 00	
Advertising:—			
Cambridge Chronicle	$6 00		
Cambridge Sentinel	6 00		
Cambridge Tribune	6 00		
Times Publishing Co.	4 50		
		22 50	
Badges, Globe Stamp Works		50 00	
Binding, James M. Sullivan		1 25	
Car tickets:—			
Boston Elevated Ry. Co.		325 00	
Carting piano:—			
Chickering & Son		10 00	
Cash expended for traveling expenses, Wm. C. Bates		98 81	
Copying school census:—			
Lucian S. Cabot	$14 78		
Florence P. Carter	19 00		
Mary A. Carmichael	24 77		
Elizabeth McCrehan	30 00		
		88 55	
Expense of graduation exercises at Sanders Theatre:—			
Harvard University	$40 26		
A. K. Jones	6 00		
		46 26	
Obtaining statistics of private schools, Lucian S. Cabot		6 00	
Postage, F. M. Small, Supt.		111 60	
Printing, stationery and office supplies:—			
Cambridge Chronicle	$79 75		
J. A. Cummings Printing Co.	285 28		
J. Frank Facey	39 25		
Globe Stamp Works	3 50		
Thomas Groom & Co.	11 75		
G. B. Lenfest	10 00		
Louis F. Weston	140 75		
		570 28	
Taking census:—			
S. Willson Bailey	$55 00		
Geo. B. Caswell	74 37		
Edward McBride	102 50		
Felix C. McBride	50 00		
J. J. McCrehan	110 00		
Wm. F. McCormick	52 50		
Leon G. Miles	31 25		
Geo. H. Munroe	92 50		
Amounts carried forward	$568 12	$1,755 25	$2,200 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, INCIDENTAL EXPENSES—Concluded.

Amounts brought forward . .	$568 12	$1,755 25	$2,200 00
C. E. O'Brien . . .	41 25		
John E. Quin . . .	52 50		
		661 87	
Telephone service . . .		395 72	
Typewriter:—			
L. C. Smith & Bros. Typewriter Co. . . .		70 00	
Typewriter repairs:—			
The Williams Mfg. Co. .		10 80	
Use of wagon, T. W. Hillier .		6 00	
Total			2,899 64
Excess of expenditures over appropriation .			$699 64
Additional appropriation			700 00
Balance relinquished to general treasury . .			$ 36

SALARIES OF TEACHERS AND OFFICERS.

Appropriation $395,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For tuition of non-resident pupils:—		
At Manual Training School . .	$2,550 00	
At Latin School	936 00	
At Latin School (Trs. of Hopkins' Fund) .	624 00	
At Grammar School . .	27 00	
		$4,137 00
Tuition of Boston city wards		34 00
Tuition of State wards .		968 00
Tuition of students of Lawrence Scientific School .		1,712 00
		$6,851 00

EXPENDED.

For salaries of:—			
Superintendent, Wm. C. Bates		$3,500 00	
Agent, S. P. Hubbard . .		2,350 00	
Clerks:—			
Althea B. Frost . .	$786 00		
Sadie E. Kimball . .	665 00		
		1,451 00	
Amounts carried forward . .		$7,301 00	$395,000 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, SALARIES OF TEACHERS AND OFFICERS—Concluded.

Amounts brought forward . .		$7,301 00	$395,000 00
Special instructors:—			
Botany, Sarah E. Brassil .		1,000 00	
Drawing:—			
Peter Roos . . .	$2,000 00		
Lucia N. Jennison . .	800 00		
		2,800 00	
Gymnastics:—			
Sarah E. Boudren . .	$927 50		
Bessie W. Howard . .	896 50		
		1,824 00	
Music:—			
Frederick E. Chapman .	$2,000 00		
Georgia E. Martin . .	85 00		
Annie R. Hooper . .	605 33		
		2,690 33	
Sewing:—			
Katherine A. Burke . .	$30 00		
Nancy T. Dawe . .	650 00		
Agnes Gordon . . .	700 00		
Alice H. Nay . . .	650 00		
		2,030 00	
Primary supervisor:—			
Mary A. Lewis . . .		1,315 00	
Teachers in day schools:—			
English High School .	$28,213 67		
Latin	26,923 42		
Rindge Manual Training School	30,838 93		
Wellington Training School	15,928 25		
Grammar schools . .	145,625 72		
Primary schools . .	90,040 17		
Kindergarten schools .	19,750 35		
Substitutes	3,446 16		
Teachers unassigned .	1,500 00		
		362,266 67	
Teachers in evening schools:—			
Drawing—free-hand . .	$385 00		
Drawing—mechanical . .	889 00		
High	1,380 00		
Putnam	2,028 00		
Roberts	1,854 50		
Shepard	908 50		
Webster	796 00		
Rindge—mechanical . .	831 00		
		9,072 00	
Truant officers . . .		4,000 00	
Porter, John H. Lemon . .		700 00	
Total			394,999 00
Surplus of appropriation relinquished to general treasury			$1 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, TEXT BOOKS AND SUPPLIES.

Appropriation $20,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For sale of, and damage to books $826 51

EXPENDED.

For apparatus and supplies:—		
Adams, Cushing & Foster	$2,302 94	
F. G. Allnutt	37 57	
Barbour-Stockwell Co.	384 17	
Bausch & Lomb Optical Co.	432 94	
Selma E. Berthold	25 93	
Milton Bradley Co.	109 36	
Brown, Durrell Co.	150 95	
Frederick H. Brown	6 10	
Burditt & Williams Co.	456 27	
Cambridge Architectural Iron Works	18 75	
Chandler & Farquhar Co.	102 75	
Cook-Vivian Co.	4,816 46	
Frank Creighton	18 90	
Dexter Bros. Co.	112 04	
Diamond Paste Co.	59 41	
Dover Stamping & Mfg. Co.	12 75	
Dumas & Co.	167 75	
Eagle Pencil Co.	65 80	
Frank T. Evans	28 50	
Farley, Harvey & Co.	29 96	
Fitchburg Machine Works	3 80	
Fresh Pond Ice Co.	9 05	
Geo. W. Gale Lumber Co.	739 53	
Globe Stamp Works	17 10	
Arthur W. Hall Scientific Co.	29 28	
Edgar Hall	49 50	
Arthur C. Harvey Co.	261 19	
J. A. Holmes & Co.	8 85	
W. B. Hunt Co.	3 42	
Jordan, Marsh Co.	35 04	
Kingston-Hall Co.	27 60	
L. E. Knott Apparatus Co.	32 09	
Roland Lane	4 65	
Lord & Merrow	108 99	
Bunkio Matsuki	16 25	
Merrimac Chemical Co.	10 83	
Alexander Millan	8 32	
Morss & Whyte Co.	4 00	
Neostyle Co.	53 00	
Place Box Co.	9 53	
Rand, McNally & Co.	68 57	
Remington Typewriter Co.	136 15	
The Scarborough Co.	3 50	
Amounts carried forward	$10,979 54	$20,000 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, TEXT BOOKS AND SUPPLIES—Continued.

Amounts brought forward . .	$10,979 54		$20,000 00
Chas. A. Schieren & Co. .	9 75		
Singer Sewing Machine Co.	59 95		
L. C. Smith & Bros. Typewriter Co. . . .	70 00		
Wadsworth, Howland & Co.	523 63		
Wilcox & Gibbs Sewing Machine Co. . . .	50 00		
John D. Young & Sons .	21 00		
Sundry persons . . .	20 90		
		11,734 77	
Books:—			
Allyn & Bacon . . .	$170 56		
American Book Co. . .	4,145 54		
D. Appleton & Co. . .	219 26		
Atkinson, Mentzer & Grover	18 75		
Edward E. Babb & Co. .	184 39		
Boston Music Co. . .	4 69		
T. H. Castor & Co. . .	161 02		
DeWolfe & Fiske Co. .	94 83		
Oliver Ditson Co. . .	31 81		
Ginn & Co. . . .	4,105 24		
Gregg Publishing Co. .	68 70		
Hannah Winthrop Chapter, D. A. R.	3 75		
D. C. Heath & Co. . .	616 68		
Hinds, Noble & Eldredge .	19 00		
Houghton, Mifflin & Co. .	770 40		
Longmans, Green & Co. .	84 00		
Benjamin H. Sanborn & Co.	115 79		
Sibley & Co. . . .	159 25		
Silver, Burdett & Co. .	270 45		
Thompson, Brown & Co. .	2,119 83		
William Ware & Co. .	121 00		
W. H. Wheeler & Co. .	521 06		
Whitcomb & Barrows .	19 68		
		14,025 68	
Binding, James M. Sullivan .		896 07	
Car tickets:—			
Boston Elevated Ry. Co. .		25 00	
Cash paid to life models for free-hand school:—			
Peter Roos . . .		27 60	
Diplomas and engrossing:—			
Boston Bank Note Co. .		256 20	
Directories:—			
W. A. Greenough & Co. .		8 00	
Expressage and teaming:—			
American Express Co. .	$3 75		
Bancroft's Express . .	18 70		
H. W. Bettinson & Co. .	16 65		
P. Biggin	247 30		
Wm. F. Colby . . .	6 00		
W. A. Nichols . . .	83 70		
Amounts carried forward . .	$376 10	$26,973 32	$20,000 00

Public Education, Libraries, Etc.—Continued.

SCHOOLS, TEXT-BOOKS AND SUPPLIES—Concluded.

Amounts brought forward . .	$376 10	$26,973 32	$20,000 00
Sawin's Express . .	7 80		
H. E. Sawin's Express .	66 55		
Sundry persons . .	3 00		
		453 45	
Fuel:—			
Bay State Fuel Co. . .	$26 25		
Coleman Bros. . . .	117 00		
Metropolitan Coal Co. .	22 50		
Standard Charcoal Co. .	6 00		
		171 75	
Organ, Estey Organ Co. . .		35 00	
Pianos, tuning and repairing:—			
Briggs & Briggs . . .	$43 50		
Henry F. Miller & Sons .	1 50		
		45 00	
Piano covers and stools:—			
C. A. Cook Co. . . .	$2 00		
E. M. Cundall & Son .	10 00		
		12 00	
Postage, F. M. Small, Supt. .		178 40	
Printing:—			
Cambridge Chronicle .	$88 50		
J. Frank Facey . .	7 50		
G. B. Lenfest . . .	15 75		
Louis F. Weston . .	96 75		
		208 50	
Repairing machinery at Manual Training School:—			
W. C. Colpitts . . .		97 50	
Sand, Highland Coal Co. .		7 00	
Stereopticon slides:—			
A. D. Handy . . .	$15 20		
Morss & Simmons . .	8 05		
		23 25	
Subscriptions to periodicals:—			
Herman Goldberger . .		21 45	
Washing, Mrs. Catherine Flynn		22 95	
Total			28,249 57
Excess of expenditures over appropriation .			$8,249 57
Additional appropriations			8,250 00
Balance relinquished to general treasury . .			$0 43

Public Education, Libraries, Etc.—Continued.

SCHOOLS, TRANSPORTATION OF PUPILS.

Appropriation		$250 00
EXPENDED.		
For conveying pupils:—		
Timothy J. Shine	$222 00	
Total		222 00
Surplus of appropriation relinquished to general treasury		$28 00

VACATION SCHOOLS.

Appropriation			$2,000 00
EXPENDED.			
For salaries of janitors		$165 00	
Salaries of teachers at:—			
English High School	$618 80		
Putnam School	300 00		
Roberts School	312 00		
Shepard School	146 00		
Webster School	150 00		
		1,526 80	
Apparatus and supplies:—			
Adams, Cushing & Foster	$19 28		
Milton, Bradley Co.	49 94		
Brown, Durrell Co.	33 00		
Burditt & Williams Co.	5 45		
Geo. W. Gale Lumber Co.	46 11		
Lord & Merrow	19 33		
Singer Sewing Machine Co.	2 45		
Wadsworth, Howland & Co.	17 03		
		192 59	
Printing:—			
J. Frank Facey	$24 50		
Louis F. Weston	4 50		
		29 00	
Total			1,913 39
Surplus of appropriation			$86 61
Transfer from this appropriation to Care of Truants			28 68
Balance relinquished to general treasury			$57 93

Public Education, Libraries, Etc.—Continued.

LIBRARIES (6.2)

MAIN LIBRARY, SALARIES.

Appropriation		$11,000 00

EXPENDED.

For salary of:—			
Librarian, Clarence W. Ayer		$2,250 00	
Assistant librarians:—			
Etta L. Russell	$994 00		
Winifred Mather	74 95		
Harriet D. Lochman	691 75		
Charlotte E. Stewart	648 50		
L. Edna Brooks	595 60		
Katharine A. O'Donnell	542 03		
Alice O'Brien	378 50		
Eva Ferris Magee	521 25		
Louise Brennan	395 71		
Edith E. Sherman	408 33		
Roy R. Perkins	417 30		
Theresa L. Burke	365 67		
Caira D. Hawkes	46 00		
		6,079 59	
Sunday attendants and substitutes:—			
James A. Eccles	$47 10		
Mary Ford	25 20		
Dorothea M. Gray	27 00		
Olive Telford	97 55		
Edith E. Sherman	26 00		
		222 85	
Stack boys:—			
Michael Corcoran	$97 75		
Theobald S. Corcoran	21 30		
James A. Eccles	82 30		
W. Harold Eckert	57 60		
Julius Goebel	20 90		
Hamilton Harlow	85 03		
Warren S. Henderson	71 34		
Stuart N. Hotaling	118 13		
Edmund Leland	17 70		
Robert A. McMenimen	88 35		
Edward P. O'Brien	287 29		
Sylvester Redmond	12 10		
Edward G. Shepherd	14 68		
Clifford Wood	60 50		
		1,034 97	
Janitor, T. M. Thomas		938 57	
Assistant janitor, Michael Lowry		573 43	
Total			11,099 41
Excess of expenditures over appropriation			$99 41
Additional appropriation			100 00
Balance relinquished to general treasury			$ 59

Public Education, Libraries, Etc.—Continued.

MAIN LIBRARY, GENERAL EXPENSES.

Appropriation $10,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For fines, sale of catalogs, etc. . $725 59

EXPENDED.

For binding and binders:—			
Boston Bookbinding Co.	$27 15		
J. H. H. McNamee Co.	1,236 86		
		1,264 01	
Books, periodicals, etc.:—			
Wm. Abbatt	$5 00		
Amee Bros.	113 97		
American Educational Co.	3 50		
Robert Appleton Co.	6 00		
R. M. Barrett	2 65		
Boston Book Co.	6 50		
Boston Indexing Bureau	10 00		
T. H. Castor & Co.	8 90		
W. B. Clarke Co.	69 61		
Desmond Publishing Co.	43 09		
Herman Goldberger	569 20		
E. B. Hall & Co.	29 00		
Hannah Winthrop Chapter, D. A. R.	9 00		
Harvard Co-operative Society	3 25		
D. C. Heath & Co.	4 13		
Houghton, Mifflin & Co.	2 70		
H. R. Huntting Co.	25 00		
Journal of American History	2 00		
George Andrew Lewis	2 63		
Little, Brown & Co.	1,852 66		
McDevitt-Wilson Co.	35 75		
Old Corner Book Store	1,576 31		
Oxford University Press	26 60		
Mary E. Rand	4 00		
Charles Scribner's Sons	5 70		
H. W. Wilson Co.	5 00		
Sundry persons	4 48		
		4,426 63	
Book rental:—			
The Booklovers' Library	$35 00		
The Tabard Inn Library	35 00		
		70 00	
Book plates:—			
Boston Bank Note Co.		14 53	
Delivering books to local stations:—			
Gilbert Davoren		433 50	
Directories:—			
Boston Suburban Book Co.	$1 50		
Amounts carried forward	$1 50	$6,208 67	$10,000 00

Public Education, Libraries, Etc.—Continued.

MAIN LIBRARY, GENERAL EXPENSES—Continued.

Amounts brought forward . .	$1 50	$6,208 67	$10,000 00
W. A. Greenough & Co. .	15 00		
Sampson & Murdock Co. .	6 00		
		22 50	
Disinfectant, Boston Spray Co.		8 00	
Electrical supplies:—			
Thomas W. Gleeson . .		19 50	
Expressage:—			
Sundry persons . . .		25 70	
Frames, C. E. Harlow . .		4 00	
Fuel, Consumers' Coal Co. .		657 72	
Furniture, furnishings, and repairs:—			
Library Bureau . . .	$28 25		
John Quin & Son . .	6 55		
Worcester Bros. . .	45 15		
Yawman & Erbe Mfg. Co. .	6 30		
		86 25	
Hardware, tools and supplies:—			
Brock & Eaton . .	$49 25		
Parke Snow . . .	5 35		
Sundry persons . .	2 52		
A. J. Wilkinson & Co. .	4 40		
Geo. N. Wood & Co. . .	3 38		
		64 90	
Ice, Fresh Pond Ice Co. . .		5 94	
Inspection of boilers:—			
Geo. A. Luck . . .		10 00	
Insurance, R. B. Walker .		378 00	
Laundry work, etc.:—			
Thomas M. Thomas . .		13 03	
Lighting:—			
Cambridge Elec. Light Co. .	$298 56		
Cambridge Gas Light Co. .	360 54		
		659 10	
Local stations:—			
Conley Drug Co. . .	$36 00		
Marcellus I. Dow . .	48 00		
E. C. Gove	48 00		
Albert W. Kidder . .	36 00		
F. P. Lombard . . .	36 00		
Thomas K. Martin . .	48 00		
M. F. McGrath . . .	36 00		
W. H. Murphy . . .	36 00		
Chas. E. Nelson . . .	36 00		
Carrie Ellsworth Phillips .	36 00		
		$396 00	
Membership fees, assessments, etc.:—			
American Library Ass'n .	$5 00		
Library Art Club . .	6 00		
National Educational Ass'n	2 00		
		13 00	
Amounts carried forward . .		$8,572 31	$10,000 00

Public Education, Libraries, Etc.—Continued.

MAIN LIBRARY, GENERAL EXPENSES—Concluded.

Amounts brought forward . .			$8,572 31	$10,000 00
Repairs to building:—				
Carpentry:—				
F. B. Furbish .	$2 44			
John Quin & Son	12 00			
		$14 44		
Electrical work, T. J. Daly		149 80		
Heating apparatus repairs:—				
Greene & Co. . . .		3 60		
Plumbing, Herbert L. Rose .		4 80		
Setting steps and work on walls:—				
John B. Byrne . . .		427 03		
Storm windows:—				
Frank H. Leach . . .		8 00		
			607 67	
Printing bibliography of Thomas Wentworth Higginson:—				
J. A. Cummings Printing Co.			74 80	
Printing library bulletins and index, etc.:—				
J. Frank Facey . . .			395 50	
Printing annual reports:—				
J. A. Cummings Printing Co.			31 80	
Stationery and office supplies:—				
Amee Bros. . . .		$82 79		
Cambridge Chronicle . .		5 50		
Cook-Vivian Co. . .		24 20		
H. C. Dimond & Co. . .		6 21		
J. Frank Facey . . .		24 50		
Hammond Typewriter Co. .		5 34		
Librarian of Congress .		80 00		
Library Bureau . . .		17 82		
Edw. W. Wheeler . .		256 59		
Yawman & Erbe Mfg. Co. .		1 30		
Postage and Stationery (transfer) . . .		112 00		
			616 25	
Telephone service . . .			78 42	
Telephone repairs:—				
Thomas W. Gleeson . .			7 15	
Typewriter repairs:—				
Hammond Typewriter Co. .			15 78	
Total, including $112.00 transfers . . .				10,399 68
Excess of expenditures over appropriation .				$399 68
Transfer to this account from Contingent Fund				400 00
Balance relinquished to general treasury . .				32

Public Education, Libraries, Etc.—Continued.

EAST CAMBRIDGE BRANCH LIBRARY.

SALARIES.

Appropriation		$1,039 50

EXPENDED.

For salaries of:—			
Librarian, Mary Curtis	$658 33		
Assistant, Daniel F. Burke	113 47		
Janitor, J. J. McCarthy	182 50		
Substitute janitor, J. J. Sullivan	7 00		
Total		961 30	
Surplus of appropriation			$78 20
Transfer from this account to General Expenses			78 00
Balance relinquished to general treasury			20

GENERAL EXPENSES.

Appropriation			$1,000 00

EXPENDED.

For assessment:—			
Library Art Club		$6 00	
Binding and binders:—			
Boston Bookbinding Co.	$9 65		
J. H. H. McNamee Co.	76 38		
		86 03	
Books, periodicals, etc.:—			
Amee Bros.	$24 25		
W. B. Clarke Co.	46 49		
Herman Goldberger	95 00		
E. B. Hall & Co.	29 00		
Hannah Winthrop Chapter, D. A. R.	90		
McDevitt-Wilson Co.	24 29		
Old Corner Book Store	578 81		
		798 74	
Directory:—			
W. A. Greenough & Co.		4 00	
Furniture, furnishings and repairs:—			
Simon Flaig	$1 00		
James Grant	7 40		
L. A. Stingel	27 45		
		35 85	
Lighting:—			
Cambridge Gas Light Co.		82 53	
Stamps:—			
H. C. Dimond & Co.		1 30	
Amounts carried forward		$1,014 45	$1,000 00

Public Education, Libraries, Etc.—Continued.

LIBRARIES, EAST CAMBRIDGE BRANCH—Concluded.

Amounts brought forward . .		$1,014 45	$1,000 00
Stationery, printing and office supplies:—			
Amee Bros. . . .	$3 13		
Library Bureau . . .	9 57		
Edw. W. Wheeler . .	50 80		
		63 50	
Total			1,077 95
Excess of expenditures over appropriation .			$77 95
Transfer to this account from Salaries . .			78 00
Balance relinquished to general treasury . .			05

NORTH CAMBRIDGE BRANCH LIBRARY.

SALARIES.

Appropriation			$1,200 00
EXPENDED.			
For salaries of:—			
Librarian, Ellen M. Hayes .		$600 00	
Assistants:—			
Theresa L. Burke . .	$7 88		
James S. Crawford . .	109 00		
Dorothea M. Gray . .	118 55		
Wm. J. Sullivan . .	37 35		
		272 78	
Janitor, Thomas Doyle . .		208 67	
Substitute janitor, Jos. E. Plante		8 00	
Total			1,089 45
Surplus of appropriation			$110 55
Transfer from this account to General Expenses			110 00
Balance relinquished to general treasury . .			$0 55

GENERAL EXPENSES.

Appropriation			$1,400 00
EXPENDED.			
For binding:—			
J. H. H. McNamee Co. .		$36 87	
Binders:—			
Boston Bookbinding Co. .		16 80	
Amounts carried forward . .		$53 67	$1,400 00

Public Education, Libraries, Etc.—Concluded.

LIBRARIES, NORTH CAMBRIDGE BRANCH, GENERAL EXPENSES—Concluded.

Amounts brought forward		$53 67	$1,400 00
Books, periodicals, etc.:—			
W. B. Clarke Co.	$326 83		
Herman Goldberger	112 65		
E. B. Hall & Co.	29 00		
Hannah Winthrop Chapter D. A. R.	90		
James W. Hunnewell	33 50		
Chas. E. Lauriat Co.	10 00		
McDevitt-Wilson Co.	91 79		
Old Corner Book Store	300 39		
Mary E. Rand	30 50		
		935 56	
Book rental:—			
The Booklovers' Library	$70 00		
The Tabard Inn Library	70 00		
		140 00	
Directory:—			
W. A. Greenough & Co.		4 00	
Furniture:—			
Brock & Eaton	$3 00		
E. T. Bynner	5 40		
Cambridge Elec. Light Co.	6 66		
F. A. Colburn	3 50		
Library Bureau	19 00		
Worcester Bros.	136 30		
		173 86	
Lettering signs:—			
J. Leo McDonald		2 50	
Lighting:—			
Cambridge Elec. Light Co.		115 74	
Stationery, printing and office supplies:—			
Amee Bros.	$3 15		
H. C. Dimond & Co.	1 30		
Library Bureau	12 81		
Edward W. Wheeler	66 42		
		83 68	
Total			1,509 01
Excess of expenditures over appropriation			$109 01
Transfer to this account from Salaries			110 00
Balance relinquished to general treasury			$0 99

SCHEDULE A-VIII

APPROPRIATIONS AND EXPENDITURES

No. 7

PUBLIC RECREATION

7. PUBLIC RECREATION.

PARKS (7.2)

CONSTRUCTION.

Appropriation $21,815 43

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For rebate on insurance . . .	$142 50	
Rents:—		
Cambridge Elec. Light Co. .	875 00	
Riverside Press .	703 20	
Weld Boat Club .	500 00	
	$2,220 70	

EXPENDED.

GENERAL ACCOUNT.

Labor, sundry persons, as per pay-roll		$72 50	
Harness repairs:—			
Harvard Harness Store .		9 20	
Horse clipping:—			
Harvard Horse Clipping Co.		3 00	
Horseshoeing:—			
John Ryan . .	$5 50		
Street Dept. (transfer) . .	6 32		
		11 82	
Lighting stable:—			
Cambridge Elec. Light Co. .		1 00	
Oil and tank:—			
Standard Oil Co. of N. Y. .		13 90	
Prints, Whitney & Son . .		1 00	
Rent of stable:—			
Minnie G. del Castillo .		45 00	
Repairing tools:—			
Street Dept. (transfer) .		4 25	
Telephone service . . .		29 50	
Wagon repairs:—			
Chas. Waugh & Co. . .		25 25	
			216 42

THE NURSERY.

Labor, sundry persons, as per pay-roll		$96 00	
Tarred paper, E. T. Bynner .		1 41	
			97 41
Amounts carried forward . .			$313 83 $21,815 43

Public Recreation—Continued.

PARKS, CONSTRUCTION—Continued.

Amounts brought forward . .			$313 83	$21,815 43
RIVER PARKWAY, SECTION B.				
Labor, sundry persons, as per pay-roll		$94 00		
Filling, sundry persons, as per pay-roll		26 46		
Teaming, sundry persons, as per pay-roll		60 00		
			180 46	
RIVER PARKWAY, SECTION C.				
Labor, sundry persons as per pay-roll		$4,667 60		
Advertising, Cambridge Chronicle		10 00		
Carriage hire:—				
Chas. W. Dailey .	$6 00			
T. W. Hillier .	5 00			
Frank P. Merril .	5 00			
F. R. Nickerson .	5 00			
Fred D. Norton .	10 00			
G. F. Whiting & Co. . . .	10 00			
H. K. Parsons & Co. . . .	5 00			
		46 00		
Dinners:—				
Riverbank Court Hotel Co.		65 60		
Expressage, American Exp. Co.		50		
Filling, sundry persons, as per pay-roll		4,333 51		
Fuel, Consumers' Coal Co. .		2 76		
Hardware, tools and supplies:—				
E. T. Bynner .	$28 50			
Fay Bros. . .	3 36			
		31 86		
Plants, shrubs and trees:—				
Chas. R. Fish & Co. . . .	$90 00			
New England Nurseries . .	109 00			
		199 00		
Poles, C. W. H. Moulton & Co.		70 00		
Stone dust:—				
Wm. J. McCarthy Co. .		33 48		
Teaming, sundry persons, as per pay-roll		311 25		
Expense of building bridge over Boston & Albany R. R. tracks:—				
Salary of inspector:—				
G. H. Cloyes, Jr. . .		539 00		
Advertising:—				
Boston Herald Co.	$13 50			
Cambridge Chronicle . . .	7 75			
		21 25		
Amounts carried forward . .		$10,331 81	$494 29	$21,815 43

Public Recreation—Continued.

PARKS, CONSTRUCTION—Concluded.

Amounts brought forward . .	$10,331 81	$494 29	$21,815 43
Assistance on plan:—			
Aberthaw Construction Co.	25 00		
Bitulithic surface on bridge:—			
Warren Bros. Co. . .	300 00		
Contract for concrete steel bridge:—			
W. A. Murtfeldt Co. . . . $12,640 00			
Extra work . . 56 28			
	12,696 28		
Erecting bridge guards:—			
Boston & Albany R. R. .	122 89		
Making changes in beams:—			
Boston Bridge Works .	5 00		
Testing steel bars:—			
Watertown Arsenal . .	11 00		
		23,491 98	
Total, including $10.57 transfer			23,986 27
Excess of expenditures over appropriation .			$2,170 84
Additional appropriation			8,000 00
Balance relinquished to general treasury . .			$5,829 16

CONSTRUCTION, PLAYGROUND, EAST CAMBRIDGE.

Appropriation		$362 20
EXPENDED.		
For labor, sundry persons, as per pay-roll .	$72 25	
Total		72 25
Surplus of appropriation relinquished to general treasury		$289 95

CONSTRUCTION, PLAYGROUND, MILL POND.

Appropriation		$1,000 00
EXPENDED.		
For labor, sundry persons, as per pay-roll .	$722 29	
Filling, sundry persons, as per pay-roll . .	30 75	
Hardware, tools, and supplies:—		
E. T. Bynner	7 30	
Amounts carried forward . .	$760 34	$1,000 00

Public Recreation—Continued.

PARKS, CONSTRUCTION, PLAYGROUND, MILL POND.—Concluded.

Amounts brought forward . .	$760 34	$1,000 00
Lumber, Geo. W. Gale Lumber Co. . . .	5 68	
Teaming, sundry persons, as per pay-roll . .	233 75	
Total		999 77
Balance relinquished to general treasury . .		$0 23

CONSTRUCTION, RINDGE FIELD.

Appropriation	$2,000 00

EXPENDED.

For labor, sundry persons, as per pay-roll		$1,391 02	
Bricks, New England Brick Co. .		11 18	
Bricks and cement:—			
Sewer Dept. (transfer) .		17 87	
Bulbs, Henry M. Pratt . .		96 03	
Cement, Fiske & Co. . .		14 14	
Filling, sundry persons, as per pay-roll		54 79	
Frames and grates:—			
Barbour-Stockwell Co. .		19 80	
Hardware, tools, and supplies:—			
E. T. Bynner . . .		7 00	
Lumber:—			
Geo. W. Gale Lumber Co. .	49		
John Quin & Son . .	18 25		
		18 74	
Pipe, Portland Stone Ware Co.		15 60	
Teaming, sundry persons, as per pay-roll		253 13	
Total, including $17.87 transfer			1,899 30
Surplus of appropriation relinquished to general treasury			100 70

MAINTENANCE, SALARIES.

Appropriation	$2,200 00

EXPENDED.

For salaries of:—		
General Superintendent of Parks:—		
John F. Donnelly . .	$1,500 00	
Amounts carried forward . .	$1,500 00	$2,200 00

Public Recreation—Continued.

PARKS, MAINTENANCE, SALARIES.—Concluded.

Amounts brought forward . .		$1,500 00	$2,200 06
Clerks:—			
Rose E. Manning . .	$620 00		
Mary L. Heanue . .	24 00		
		644 00	
Total			2,144 00
Surplus of appropriation relinquished to general treasury			$56 00

MAINTENANCE, GENERAL ACCOUNT.

Appropriation $500 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For sundries . . $5 20

EXPENDED.

For labor, as per pay-roll . .		$261 00	
Bicycle repairs, sundry persons		5 50	
Binding, Boston Bookbinding Co.		17 00	
Car tickets:—			
Boston Elevated Ry. Co. .		25 00	
Directory:—			
W. A. Greenough & Co. .		4 00	
Disinfectant:—			
E. T. Bynner . . .	$2 75		
Winchester Tar Disinfectant Co.	10 30		
		13 05	
Expressage, sundry persons .		1 85	
Filing case:—			
Art Metal Construction Co.		57 00	
Fuel, Consumers' Coal Co. .		16 56	
Frame, F. A. Olson . . .		2 80	
Hardware, tools, and supplies:—			
E. T. Bynner . . .	$10 75		
Hugh McCaffrey . . .	3 30		
Sundry persons . . .	1 60		
		15 65	
Harness repairs and horse clothing:—			
Harvard Harness Store .	$19 85		
Hugh McCaffrey . .	4 75		
		24 60	
Hay, grain and straw:—			
E. R. Luke & Co. . .		220 87	
Horseshoeing and clipping:—			
Harvard Horse Clipping Co.	$3 00		
Amounts carried forward . .	$3 00	$664 88	$500 00

Public Recreation—Continued.

PARK MAINTENANCE, GENERAL ACCOUNT—Concluded.

Amounts brought forward . .	$3 00	$664 88	$500 00
John Ryan	50 50		
Street Dept. (transfer) .	7 30		
		60 80	
Lighting:—			
Cambridge Elec. Light Co. .		11 24	
Printing annual reports:—			
J. A. Cummings Printing Co.		63 36	
Rent of stable and yard:—			
Minnie G. del Castillo .		225 00	
Reprinting report of 1897:—			
J. A. Cummings Printing Co.		96 59	
Stationery, printing and office supplies:—			
Allen Bros. . . .	$ 90		
Art Metal Construction Co.	9 55		
Caustic-Claflin Co. . .	83 90		
Cotton & Gould . .	10 50		
Library Bureau . . .	6 85		
Postage and Stationery (transfer) . . .	45 52		
Yawman & Erbe Mfg. Co.	7 50		
		164 72	
Subscription, Municipal Pub. Co.		3 00	
Telephone service . . .		89 05	
Wagon and carriage repairs:—			
Burton & McCannon .		9 45	
Water rates, Water Dept. (transfer) . . .		11 50	
Total, including $64.32 trnasfers . . .			1,399 59
Excess of expenditures over appropriation .			$899 59
Additional appropriation			900 00
Balance relinquished to general treasury . .			$0 41

MAINTENANCE, MOTH EXTERMINATION.

Appropriation		$10,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For cleaning and spraying trees, sundry persons . .	$35 46	
Reimbursement from Com. of Mass. . . .	1,859 04	
	$1,894 50	
Amount carried forward . .		$10,000 00

Public Recreation—Continued.

PARK MAINTENANCE, MOTH EXTERMINATION—Concluded.

Amount brought forward . .			$10,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$8,171 24	
Clerical services:—			
Rose E. Manning . .	$72 00		
Catherine F. O'Keefe .	113 34		
		185 34	
Arsenate of lead:—			
Bowker Insecticide Co. .		33 00	
Bamboo poles:—			
Sprague & Hathaway Co. .		4 50	
Batteries and starting engine:—			
Olds Gas Power Co. .		3 10	
Burlap, Wm. H. Claflin & Co.		136 80	
Creosote:—			
Samuel Cabot . . .	$26 70		
Boston Engineers' Supply Co.	88 06		
		114 76	
Chemical analysis of well:—			
A. G. Woodman . .		10 00	
Expressage, sundry persons .		1 60	
Hardware, tools and repairs, and supplies:—			
Jos. Breck & Sons Corp. .	$22 20		
E. T. Bynner . . .	17 11		
John L. Whiting & Son Co.	8 44		
		47 75	
Hose:—			
Boston Engineers' Supply Co.		35 75	
Hay, grain and straw:—			
E. R. Luke & Co. . .		51 26	
Ladders and repairs:—			
C. W. H. Moulton & Co. .		55 15	
Oil, J. A. Holmes & Co. .		1 30	
Removing creosote stains from granite wall:—			
Michael Kelly . . .		5 00	
Stationery and printing:—			
Caustic-Claflin Co. . .	$67 75		
Harvard Co-operative Society	1 13		
Library Bureau . . .	56 43		
Smith Premier Typewriter Co.	17 81		
		143 12	
Total			8,999 67
Surplus of appropriation			$1,000 33
Transfer from this appropriation to Shade Trees			1,000 00
Balance relinquished to general treasury . .			$0 33

Public Recreation—Continued.

PARKS—Continued.

MAINTENANCE, CAMBRIDGE FIELD AND SHELTER.

Appropriation $6,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For use of towels, etc., at shelter . $345 68

EXPENDED.

CAMBRIDGE FIELD.

Labor, as per pay-roll . .		$1,908 31	
Bulbs, Henry M. Pratt . .		76 71	
Hardware, tools and supplies:—			
Ames Plow Co. .	$22 03		
Boston Woven Hose and Rubber Co. . .	13 00		
E. T. Bynner .	2 90		
		37 93	
Lighting:—			
Cambridge Elec. Light Co.		638 88	
Lumber:—			
Geo. W. Gale Lumber Co. .		2 86	
Repairing leak:—			
Water Dept. (transfer) .		8 90	
Stone dust:—			
Wm. J. McCarthy Co. .		15 83	
Teaming, sundry persons, as per pay-roll		7 50	
Trees, Chas. R. Fish & Co. .		45 00	
			$2,741 92

SHELTER.

Salaries of:—			
Supt., John Good	$1,036 57		
Matron, Ellen Reardon .	521 43		
Cleaner, Dennis F. Kelley .	776 00		
		$2,334 00	
Disinfectant:—			
National Coal Tar Co. .	$9 00		
Winchester's Tar Disinfectant Co. .	5 62		
		14 62	
Electrical work:—			
Thomas J. Daly . .		15 30	
Expressage, R. Wiseman .		25	
Fuel, Consumers' Coal Co. .		455 25	
Glass and setting:—			
P. J. Carmichael . .		12 50	
Amounts carried forward . .		$2,831 92	$2,741 92 $6,000 00

Public Recreation—Continued.

PARK MAINTENANCE, CAMBRIDGE FIELD AND SHELTER.—Concluded.

Amounts brought forward . .		$2,831 92	$2,741 92	$6,000 00
Hardware, tools and supplies:—				
E. T. Bynner .	$9 49			
Moynahan & Co.	10 00			
Sundry persons .	1 85			
		21 34		
Laundering towels:—				
James H. Lundergan .		174 75		
Lighting:—				
Cambridge Elec. Light Co.		96 44		
Repairing shower baths and plumbing:—				
Moynahan & Co. . .		54 55		
Repairing windows:—				
Joyce & McKay . . .		12 45		
Soap and soap powder:—				
Schwarzschild & Sulzberger Co.	$32 50			
J. A. Holmes & Co.	1 10			
		33 60		
Toilet paper:—				
Wm. H. Claflin & Co. . . .	$12 50			
Geo. T. Johnson & Co. . . .	12 50			
		25 00		
Towels, J. H. Corcoran . .		7 92		
			3,257 97	
Total, including $8.90 transfer				$5,999 89
Surplus of appropriation relinquished to general treasury				$0 11

COMMONS, SQUARES, AND PUBLIC GROUNDS.

Appropriation				$4,500 00
EXPENDED.				
For labor, sundry persons, as per pay-roll			$3,189 01	
Advertising:—				
Cambridge Chronicle . .			8 50	
Atificial stone walk:—				
Warren Bros. Co. . .			860 40	
Cleaning statue of Charles Sumner, James Brennan .			75 00	
Climbing flag-pole, housing top-masts, etc.:—				
Boston Flag Pole Co. . .		$49 00		
Daniel Marr & Son . .		14 00		
			63 00	
Amounts carried forward . .			$4,195 91	$4,500 00

Public Recreation—Continued.

PARK MAINTENANCE, COMMONS, SQUARES AND PUBLIC GROUNDS—Concluded.

Amounts brought forward . .		$4,195 91	$4,500 00
Expressage, sundry persons .		1 35	
Filling, sundry persons, as per pay-roll		12 00	
Hardware, tools and repairs, and supplies:—			
Ames Plow Co. . .	$20 50		
Jos. Breck & Sons, Corp. .	25 80		
E. T. Bynner . . .	57 24		
James Maitland . .	7 75		
		111 29	
Hay, grain and straw:—			
E. R. Luke & Co. . .		25 51	
Lighting:—			
Cambridge Elec. Light Co.		330 00	
Loam, sods, etc., James Gray .		5 75	
Lumber for repairing walks:—			
Geo. W. Gale Lumber Co. .		91 95	
Painting weather vane:—			
John Lever . . .		3 00	
Placing hydrant:—			
Water Dept. (transfer) .		20 15	
Plants, bulbs, seeds, etc.:—			
Jos. Breck & Sons, Corp. .	$4 15		
Schlegel & Fottler Co. .	63 35		
		67 50	
Printing:—			
Cambridge Chronicle . .		12 50	
Rent of stable and yard:—			
Minnie G. del Castillo .		45 00	
Repairing and painting flag-poles:—			
Daniel Marr & Son . .		158 00	
Signs, Cambridge Sign Co. .		4 00	
Stakes and moulding for signs:—			
W. H. Norris . . .	$8 95		
John Quin & Son . .	163 75		
		172 70	
Stencils, Allen Bros. . . .		3 00	
Teaming, sundry persons, as per pay-roll		40 00	
Total, including $20.15 transfer			5,299 61
Excess of expenditures over appropriation .			$799 61
Transfer to this appropriation from Sections A, B, D and F			800 00
Balance relinquished to general treasury .			$0 39

Public Recreation—Continued.

PARKS—Continued.

MAINTENANCE, RINDGE FIELD.

Appropriation			$1,000 00
EXPENDED.			
For labor, sundry persons, as per pay-roll		$353 00	
Salary of matron of Shelter:—			
Caroline E. McClellan		253 34	
Doors, W. H. Norris		9 00	
Electrical work at Shelter:—			
Thomas J. Daly		3 57	
Fuel, Consumers' Coal Co.		5 52	
Hardware, tools and supplies:—			
E. T. Bynner	$4 92		
P. J. Carmichael	2 00		
		6 92	
Lettering doors at Shelter:—			
Cambridge Sign Co.		2 00	
Lighting:—			
Cambridge Elec. Light Co.	$187 50		
Welsbach Street Lighting Co. of America	59 16		
		246 66	
Lumber:—			
Geo. W. Gale Lumber Co.		12 25	
Plumbing:—			
T. W. Haley	$26 50		
Moynahan & Co.	1 50		
		28 00	
Setting glass:—			
A. Lubbe		2 45	
Trees:—			
Chas. R. Fish & Co.		75 00	
Water used in flooding field:—			
Water Dept. (transfer)		1 95	
Total, including $1.95 transfer			999 66
Surplus of appropriation relinquished to general treasury			$0 34

SAND GARDENS.

Appropriation			$200 00
EXPENDED.			
For labor, as per pay-roll		$131 29	
Hardware:—			
E. T. Bynner	$1 90		
James Maitland	5 32		
		7 22	
Lumber:—			
Geo. W. Gale Lumber Co.		2 78	
Amounts carried forward		$141 29	$200 00

Public Recreation—Continued.

PARK MAINTENANCE, SAND GARDENS—Concluded.

Amounts brought forward . .		$141 29	$200 00
Sand:—			
James T. Barrett . .	$30 00		
Jeremiah Sullivan . .	24 00		
		54 00	
Teaming, sundry persons, as per pay-roll		4 50	
Total			199 79
Surplus of appropriation relinquished to general treasury			$0 21

MAINTENANCE, SECTIONS A, B, D AND F.

Appropriation $3,000 00

EXPENDED.

SECTION A.

Labor, as per pay-roll . .	$20 50		
Hardware, tools, etc.:—			
E. T. Bynner . . .	2 95		
Lawn mowers and seats:—			
Ames Plow Co. . . .	72 07		
Lighting:—			
Welsbach Street Lighting Co. of America . .	207 24		
Painting sign:—			
Cambridge Sign Co. . .	1 50		
Use of man and horse on watering cart:—			
A. J. Condon . . .	90 00		
		$394 26	

SECTION B.

Labor as per pay-roll . .	$1,224 75		
Hardware and supplies:—			
E. T. Bynner . $6 53			
Thos. J. Daly . 3 50			
Walworth Mfg Co. 1 24			
	11 27		
Labor on float, W. H. Norris .	4 00		
Lawn mowers, Ames Plow Co.	24 07		
Lighting:—			
Welsbach Street Lighting Co. of America . .	767 09		
Repairing boat, James Maitland	84		
Sign, Cambridge Sign Co. .	2 00		
Stock and labor:—			
Water Dept. (transfer) .	2 28		
Amounts carried forward . .	$2,036 30	$394 26	$3,000 00

Public Recreation—Continued.

PARK MAINTENANCE, SECTIONS A, B, D AND F—Concluded.

Amounts brought forward . .	$2,036 30	$394 26	$3,000 00
Turning water off and on:—			
Water Dept. (transfer) .	1 00		
Use of man and horses on watering cart:—			
A. J. Condon . . .	88 55		
		$2,125 85	
SECTION D.			
Labor as per pay-roll . .	$556 00		
Lawn mowers, Ames Plow Co.	18 05		
Lighting:—			
Welsbach Street Lighting Co. of America . . .	589 34		
Scythe, etc., E. T. Bynner .	1 75		
Turning water off and on:—			
Water Dept. (transfer) .	2 00		
Use of man and horses on watering cart:—			
A. J. Condon . . .	90 00		
		1,257 14	
SECTION F.			
Labor, as per pay-roll . .	$756 00		
Lighting:—			
Welsbach Street Lighting Co. of America . .	266 40		
		1,022 40	
Total, including $5.28 transfers . . .			4,799 65
Excess of expenditures over appropriation .			$1,799 65
Additional appropriation			2,600 00
			$800 35
Transfer from this account to Commons, Squares, and Public Grounds			800 00
Balance relinquished to general treasury . .			$0 35

MAINTENANCE, SECTIONS G AND H.

Appropriation	$2,000 00

EXPENDED.

For labor as per pay-roll . .	$1,159 00	
Lawn mowers, Ames Plow Co.	6 01	
Lighting:—		
Welsbach Street Lighting Co. of America . .	769 68	
Amounts carried forward . .	$1,934 69	$2,000 00

Public Recreation—Continued.

PARK MAINTENANCE, SECTIONS G AND H—Concluded.

Amounts brought forward . .		$1,934 69	$2,000 00
Plants, W. W. Rawson & Co. .		18 00	
Trees, Chas. R. Fish & Co. .		45 00	
Wire, Ames Plow Co. . .		2 08	
Total			1,999 77
Surplus of appropriation relinquished to general treasury			$0 23

MAINTENANCE, SHADE TREES.

Appropriation			$4,000 00
EXPENDED.			
For labor, as per pay-roll . .		$3,947 37	
Bicycle repairs, P. Powell .		2 50	
Carriage repairs:—			
Burton & McCannon . .		5 75	
Expressage and freight:—			
Boston & Maine R. R. .	$17 40		
Sundry persons . .	1 25		
		18 65	
Hardware, tools and repairs, and supplies:—			
Ames Plow Co. . .	$38 91		
Boston Woven Hose and Rubber Co. . . .	15 80		
E. T. Bynner . . .	30 26		
Frank Creighton . .	10 75		
Fay Bros.	6 75		
Sundry persons . .	1 80		
Daniel J. Sullivan . .	19 90		
		124 17	
Harness repairs, Hugh McCaffrey		6 45	
Hay, grain and straw:—			
E. R. Luke & Co. . .		133 28	
Horseshoeing:—			
John Ryan . . .	$4 50		
Street Dept. (transfer) .	1 58		
		6 08	
Lighting stable:—			
Cambridge Elec. Light Co.		2 00	
Lime:—			
Geo. W. Gale Lumber Co. .	$3 30		
David W. Lewis Co. . .	6 30		
		9 60	
Oil, Standard Oil Co. of N. Y.		12 12	
Poles, C. W. H. Moulton & Co.		70 00	
Rent of stable and yard:—			
Minnie G. del Castillo . .		270 00	
Amounts carried forward . .		$4,607 97	$4,000 00

Public Recreation—Continued.

PARK MAINTENANCE, SHADE TREES—Concluded.

Amounts brought forward		$4,607 97	$4,000 00
Rope, Standard Cordage Co.		21 60	
Teaming, sundry persons, as per pay-rolls		61 25	
Stationery and printing:—			
Caustic-Claflin Co.	$4 25		
Cotton & Gould	16 25		
Library Bureau	5 40		
Postage and Stationery (transfer)	6 65		
		32 55	
Sundries		4 05	
Trees, Chas. R. Fish & Co.		165 00	
Telephone service		29 50	
Wire netting:—			
Morss & Whyte Co.		78 00	
Total, including $8.23 transfers			4,999 92
Excess of expenditures over appropriation			$999 92
Transfer to this account from Brown Tail Moth Extermination			1,000 00
Balance relinquished to general treasury			$0 08

BATHS (7.3)

BATH HOUSE, CAPTAIN'S ISLAND.

Appropriation $2,300 00

Department Receipts Carried to General Treasury.

For use of suits, towels, etc. . . $1,263 68

EXPENDED.

For salaries of:—			
Bath-house keepers:—			
Frederick Clauss	$138 86		
Frederick Gonce	133 71		
Joseph James	192 00		
Edward Wadden	144 00		
Life-guards:—			
William Barber	$132 00		
Emerill B. Beucler	152 58		
Matrons:—			
Jennie Craig	$127 14		
Katherine Goodwin	122 86		
		$1,143 15	
Amounts carried forward		$1,143 15	$2,300 00

Public Recreation—Continued.

BATH HOUSE—CAPTAIN'S ISLAND—Concluded.

Amounts brought forward . .		$1,143 15	$2,300 00
Labor, sundry persons, as per pay-roll		75 75	
Baskets, Mitchell, Wing & Co.		5 70	
Bathing suits:—			
Columbia Bathing Suit Co.		66 00	
Clock repairs, E. J. Dunphy .		2 00	
Disinfectant:—			
Winchester's Tar Disinfectant Co.		5 63	
Hardware and supplies:—			
E. T. Bynner . . .	$18 47		
J. H. Corcoran . . .	14 10		
J. D. Jewett Co. . .	6 20		
Sundry persons . . .	4 29		
		43 06	
Laundry work:—			
Cambridge Laundry . .	$221 46		
Wm. H. Joyce . . .	258 09		
		479 55	
Lighting:—			
Cambridge Electric Light Co.		360 31	
Lumber:—			
Geo. W. Gale Lumber Co.		11 20	
Medicine, bandages, etc.:—			
Sundry persons . .		3 90	
Printing and stationery:—			
Cambridge Chronicle .	$12 50		
Caustic-Claflin Co. . .	19 50		
Postage and Stationery, acc. (transfer) . . .	85		
		32 85	
Professional services:—			
Edw. A. Cunningham, M.D.	5 00		
T. J. Partridge, M.D. .	2 00		
		7 00	
Shower baths, Moynahan & Co.		8 70	
Telephone service . . .		7 63	
Towels, J. A. Houston Co. .		43 45	
Sundries		3 68	
Total, including $0.85 transfers . . .			2,299 56
Surplus of appropriation relinquished to general treasury			$0 44

Public Recreation—Continued.

CELEBRATIONS (7.4)

INDEPENDENCE DAY.

Appropriation			$1,700 00
EXPENDED.			
For badges, Ehrman Mfg. Co. .		$10 00	
Baseballs:—			
Iver Johnson Sporting Goods Co.		12 00	
Cash expended for labor:—			
P. N. Bolster . . .		2 00	
Erecting band stands:—			
F. B. Furbish . . .		50 00	
Fireworks:—			
National Fireworks Co. .		725 00	
Games:—			
Auburn Athletic Club .	$25 00		
Huntington Baseball Club .	25 00		
No. Cambridge Baseball Club	10 00		
Court Wm. E. Russell, F. of A.	25 00		
Hole Name Baseball Club	25 00		
		110 00	
Handicapping games:—			
Frank McGrath . .		7 40	
Labor, sundry persons, as per pay-roll		21 00	
Lighting:—			
Cambridge Elec. Light Co.		16 50	
Music:—			
Cambridge Cadet Band .	$150 00		
Monumental National Band	100 00		
Flynn's Band . . .	84 00		
		334 00	
Printing, J. Frank Facey .		8 75	
Prizes, E. J. Dunphy . .		137 50	
Refreshments, Geo. H. Whippen		23 00	
Ringing bells, sundry persons, as per pay-roll . . .		42 00	
Rope, Standard Cordage Co. .		19 17	
Sanction for games:—			
N. E. Ass'n of the A. A. U.		10 00	
Services, managing games, and expenses, Geo. F. Nolan .		52 63	
Services as umpires:—			
George Carney . . .	$5 00		
Walter Hackett . .	5 00		
Frank S. Henry . .	5 00		
John P. Horan . .	5 00		
Hugh O'Rourke . .	5 00		
		25 00	
Amounts carried forward . .		$1,605 95	$1,700 00

Public Recreation—Continued.

CELEBRATIONS, INDEPENDENCE DAY—Concluded.

Amounts brought forward . .		$1,605 95	$1,700 00
Stakes, Geo. W. Gale Lumber Co.		12 00	
Use of chairs:—			
S. H. Harrington . .		9 38	
Total			1,627 33
Surplus of appropriation relinquished to general treasury			$72 67

LABOR DAY.

Appropriation			$400 00
EXPENDED.			
For badges, A. R. Lopez & Bros.		$2 00	
Balls, Patrick D. Daley . .		3 75	
Carriage hire, Patrick D. Daley		8 00	
Games:—			
Auburn Athletic Club .	$25 00		
Patrick D. Daley . .	25 00		
		50 00	
Handicapping, Thos. J. Conrick		10 00	
Music, Stone's Military Band .		88 00	
Printing, J. Frank Facey .		5 50	
Prizes, E. J. Dunphy . .		185 00	
Refreshments:—			
Bushway Ice Cream Co. .	$10 50		
Solomon Haag . . .	6 00		
P. J. Hennessey . .	2 10		
John J. Hill . . .	8 80		
		27 40	
Sanction for games:—			
N. E. Ass'n of the A. A. U.		10 00	
Winning races:—			
Michael Coffee . . .	$3 00		
Harry W. Joel . . .	2 00		
Timothy Murphy . .	5 00		
		10 00	
Total			399 65
Surplus of appropriation relinquished to general treasury			$0 35

Public Recreation—Concluded.

MEMORIAL DAY.

Appropriation	$1,100 00

EXPENDED.

For observance of Memorial Day:—		
Chas. Beck Post 56, G. A. R.	$250 00	
P. Stearns Davis Post 57, G. A. R.	250 00	
John A. Logan Post 186, G. A. R.	250 00	
Wm. H. Smart Post 30, G. A. R.	250 00	
Leslie F. Hunting Camp 12, S. W. V.	100 00	
Total		1,100 00

OLD HOME WEEK.

Appropriation transferred from Contingent Fund	$500 00

EXPENDED.

For decorating city buildings:—			
Andrew J. Hezlitt		$400 00	
Postage, printing and stationery:—			
Cambridge Chronicle	$10 50		
J. Frank Facey	18 75		
Postage and Stationery (transfer)	41 75		
		71 00	
Refreshments, Geo. H. Whippen		20 00	
Total, including $41.75 transfers			491 00
Surplus of appropriation relinquished to general treasury			$9 00

SCHEDULE A-VIII.

APPROPRIATIONS AND EXPENDITURES

No. 8

SINKING FUNDS.

SINKING FUNDS.

CAMBRIDGE BRIDGE.

Amount of Fund, Nov. 30, 1906	$55,135 66
Interest accumulations (1907)	1,666 46
Appropriation for 1907	19,333 33
Amount of Fund, Nov. 30, 1907	$76,135 45

CAMBRIDGE BRIDGE SPECIAL.

Amount of Fund, Nov. 30, 1906	$1,250 62
Interest accumulations (1907)	37 79
Appropriation for 1907	616 00
Amount of Fund, Nov. 30, 1907	$1,904 41

HARVARD BRIDGE.

Amount of Fund, Nov. 30, 1906	$193,070 66
Interest accumulations (1907)	5,835 54
Appropriation for 1907	8,800 00
Amount of Fund, Nov. 30, 1907	207,706 20

HOSPITAL.

Amount of Fund, Nov. 30, 1906	$941 63
Interest accumulations (1907)	28 44
Appropriations for 1907	225 00
Amount of Fund, Nov. 30, 1907	$1,195 07

METROPOLITAN PARK ASSESSMENT.

Amount of Fund, Nov. 30, 1906	$4,235 25
Interest accumulations (1907)	128 00
Appropriation for 1907	1,012 00
Amount of Fund, Nov. 30, 1907	5,375 25

PARK.

Amount of Fund, Nov. 30, 1906	$244,873 68
Interest accumulations (1907)	7,401 29
Appropriation for 1907	24,453 33
Amount of Fund, Nov. 30, 1907	$276,728 30

CLAY LAND.

Amount of Fund, Nov. 30, 1906	$53,079 83
Interest accumulations (1907)	1,604 32
Appropriation for 1907	5,335 00
Amount of Fund, Nov. 30, 1907	$60,019 15

BROOKLINE BRIDGE.

Appropriation for 1907	$333 33

COMMERCIAL AVENUE BRIDGE.

Appropriation for 1907	$666 67

IMPROVED SEWERAGE.

Amount of Fund, Nov. 30, 1906	$41,435 14
Interest accumulations (1907)	1,252 37
Appropriation for 1907	9,878 00
Amount of Fund, Nov. 30, 1907	$52,565 51

SEPARATE SYSTEM OF DRAINAGE.

Amount of Fund, Nov. 30, 1906	$1,666 62
Interest accumulations (1907)	50 36
Appropriation for 1907	1,100 00
Amount of Fund, Nov. 30, 1907	$2,816 98

GENERAL.

Amount of Fund, Nov. 30, 1906	$444,609 89
Interest accumulations (1907)	20,753 77
Appropriation for 1907	105,520 38
	$570,884 04

EXPENDED.

For matured bonds	$70,500 00
Amount of Fund, Nov. 30, 1907	$500,384 00

WATER LOAN SINKING FUND.

Amount of Fund, Nov. 30, 1906	$1,507,749 85
Interest accumulations (1907)	54,833 71
Appropriation for 1907	125.110 00
Surplus in Water Maintenance Accounts	7,033 62
	$1,694,727 18

EXPENDED.

For Matured Water Loan bonds	$112,000 00
Amount of Fund, Nov. 30, 1907	$1,582,727 18

COMMISSIONERS OF SINKING FUNDS.

Amounts of Funds, Nov. 30, 1906		$1,040,298 98
RECEIVED.		
From City Treasurer, appropriations for 1907:—		
Brookline Bridge	$333 33	
Cambridge Bridge	19,333 33	
Cambridge Bridge Special	616 00	
Clay Lands	5,335 00	
Commercial Avenue Bridge	666 67	
General	105,520 38	
Harvard Bridge	8,800 00	
Improved Sewerage	9,878 00	
Separate System of Drainage	1,100 00	
Parks	24,453 33	
Hospital	225 00	
Metropolitan Park Assessment	1,012 00	
		177,273 04
Interest accumulations		38,758 34
		$1,256,330 36
EXPENDED.		
For Matured Bonds:—		
Paving Loan	$20,000 00	
Schoolhouse Loan	9,500 00	
Sewer Loan	30,000 00	
Street Loan	11,000 00	
		$70,500 00
Amount of Fund, Nov. 30, 1907		$1,185,830 36

SCHEDULE A-VIII.

APPROPRIATIONS AND EXPENDITURES.

No. 9.

PUBLIC INTEREST

9. PUBLIC INTEREST.

Appropriation	$260,078 55

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For interest on bank deposits (9.1):—			
Cambridge Trust Co.	$221 53		
Central Trust Co.	93 36		
Charles River National Bank	129 30		
Harvard Trust Co.	2,335 73		
Lechmere National Bank	203 28		
National City Bank	146 17		
		$3,129 37	
Interest on sewer assessments (9.2)		$12 24	
Interest on sidewalk assessments (9.2)		138 93	
Interest on overdue taxes (9.2)		9,708 31	
Accrued interest (9.4)		377 56	
		$13,366 41	

EXPENDED.

For payment of interest on debt (9.3):—			
Temporary tax loans		$13,794 10	
Funded debt		192,734 75	
Park loan		56,620 00	
			$263,148 85
Miscellaneous interest (9.4):—			
Interest on Trust Funds:—			
Dowse Fund		$600 00	
Sanders Temperance Fund		600 00	
Daniel White Charity		300 00	
			1,500 00
Total			264,648 85
Excess of expenditures over appropriation			$4,570 30
Additional appropriation			5,000 00
Balance relinquished to general treasury			$429 70

PUBLIC INTEREST—Concluded

INTEREST ON WATER LOAN.

Appropriation		$157,000 00
EXPENDED.		
For payment of interest on water loans . .	$150,165 25	
Total		150,165 25
Surplus of appropriation relinquished to general treasury		$6,834 75

SCHEDULE A-VIII

APPROPRIATIONS AND EXPENDITURES

No. 10

TAXATION

10. TAXATION.

ABATEMENTS (10.1).

EXPENDED.

For abatements, as per assessors' certificates:—

Taxes of 1907.		
Real	$21,083 45	
Personal	16,848 54	
Poll	434 00	
Watering	60 16	
Moth	21 98	
		$38,448 13
Taxes of 1906.		
Real	$13,469 20	
Personal	4,489 62	
Poll	276 00	
Watering	39 48	
Moth	107 25	
		18,381 55
Taxes of 1905.		
Real	$324 90	
Personal	104 50	
Poll	92 00	
Watering	40	
		521 80
Taxes of 1904.		
Personal	$30 43	
Poll	36 00	
		66 43
Taxes of 1903.		
Personal	$5 07	
Poll	6 00	
		11 07
Taxes of 1902.		
Personal		16 47
Excess of taxes of 1906 over taxes of 1896:—		
Elmer H. Bright, Trustee	$913 91	
Benjamin F. Brown	154 05	
Cambridgeport Savings Bank	498 35	
Edw., Geo. F. and Jas. H. Kendall	484 51	
Amounts carried forward	$2,050 82	$57,445 45

Taxation—Concluded.

ABATEMENTS—Concluded.

Amounts brought forward . .	$2,050 82	$57,445 45	
Geo. B. Roberts . .	254 96		
Geo. G. Crocker, A. F. Sortwell and F. D. Fisk, Trs.	2,577 80		
Heirs of Benj. Tilton and Geo. C. Crocker, A. F. Sortwell and Frederick D. Fiske, Trs. . . .	569 73		
Wm. H. Wood . . .	453 58		
		5,906 89	
Total			$63,352 34

SCHEDULE A-VIII

APPROPRIATIONS AND EXPENDITURES

SUMMARY

1. GENERAL ADMINISTRATION.

	Balances from 1906 Appropriations	Appropriations by City Council	Additional Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
1.1 Mayor's Department:								
Salaries		$5,480 00				$5,480 00	$5,480 00	
General Expenses		700 00				700 00	699 76	$0 24
1.2 Councils:								
City Messenger's Department.								
Salaries		2,010 00				2,010 00	2,009 47	53
General Expenses		375 00				375 00	370 38	4 62
Clerk of Committees' Department.								
Salaries		3,600 00	$50 00	$75 00		3,725 00	3,704 10	20 90
General Expenses		575 00			$75 00	500 00	497 85	2 15
City Council Expenses		5,000 00		500 00		5,500 00	5,493 09	6 91
City Clerk's Department.								
Salaries		6,700 00		400 00	150 00	6,950 00	6,852 67	97 33
General Expenses		1,900 00		150 00		2,050 00	2,048 20	1 80
1.3 Law Department:								
Salaries		4,200 00			76 00	4,124 00	4,124 00	
General Expenses		900 00		313 05		1,213 05	1,207 29	5 76
1.4 Finance:								
Auditing Department.								
Salaries		4,000 00				4,000 00	4,000 00	
General Expenses		300 00				300 00	299 52	48
Assessors' Department.								
Salaries		12,500 00	1,250 00			13,750 00	13,749 99	01
General Expenses		1,400 00	150 00	24 17		1,574 17	1,574 17	
Assessors' Plans		300 00			24 17	275 83	275 83	
Treasury Department.								
Salaries		10,700 00				10,700 00	10,699 82	18
General Expenses		6,000 00	2,500 00			8,500 00	8,376 51	123 49
Sinking Fund Officials		350 00				350 00	325 00	25 00
1.5 Elections:								
City Clerk		10,000 00	1,287 59			11,287 59	11,287 59	
Registrars of Voters		4,000 00		500 00		4,500 00	4,488 29	11 71
Superintendent of Buildings		2,200 00	1,000 00			3,200 00	3,191 37	8 63
1.6 City Hall, etc.:								
Salaries: Janitors and others		9,500 00	1,487 00			10,987 00	10,908 68	78 32
General Expenses		11,500 00	3,150 00			14,650 00	14,649 82	18
1.7 Miscellaneous:								
Contingent Fund		12,000 00			11,251 50	748 50		748 50
Postage and Stationery		1,700 00				1,700 00	1,688 31	11 69
Total General Administration		$117,890 00	$10,874 59	$1,962 22	$11,576 67	$119,150 14	$118,001 71	$1,148 43

2. PUBLIC SAFETY. (Protection of Life, Health and Property.)

	Balances from 1906 Appropriations	Appropriations by City Council	Additional Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
2.1 Police Department:								
Salaries		$159,000 00	$150 00			$159,150 00	$158,949 88	$200 12
General Expenses		6,000 00	890 00	$550 00		7,440 00	7,439 53	47
2.2 Fire Department:								
Salaries		100,500 00	814 00			101,314 00	101,244 16	69 84
Repairs to Buildings		1,000 00		300 00		1,300 00	1,297 65	2 35
General Expenses		17,500 00	4,040 00		$300 00	21,240 00	21,197 43	42 57
2.2a Fire and Police Telegraph:								
Electrical Dept., Wire Account.								
Salaries		8,000 00	1,013 00			9,013 00	8,909 00	104 00
General Expenses		4,000 00				4,000 00	3,999 82	18
Police Signal Boxes			450 00			450 00	450 00	
2.4 Health Department:								
Salaries		12,900 00	10 00	300 00		13,210 00	12,936 04	273 96
General Expenses		7,000 00	5,343 35	6,362 98		18,706 33	16,975 60	1,730 73
Diphtheria Hospital		8,000 00	522 88			8,522 88	8,521 99	89
Land for Hospital	6,240 00					6,240 00		6,240 00
Inspector of Milk and Vinegar.								
Salaries		1,750 00			35 84	1,714 16	1,714 16	
General Expenses		250 00		37 31		287 31	287 31	
Modified Milk		1,000 00	190 53			1,190 53	1,190 53	
Inspector of Animals		900 00				900 00	886 14	13 86
2.6 Inspectors:								
Superintendent of Buildings.								
Salaries		6,200 00		71 00		6,271 00	6,271 00	
General Expenses		800 00			71 00	729 00	727 81	1 19
Plumbers' Examiners' Department		150 00				150 00	119 93	30 07
Sealer of Weights and Measures.								
Salaries		2,200 00	150 00			2,350 00	2,271 54	78 46
General Expenses		500 00				500 00	491 32	8 68
Removal of City Scales		400 00		150 00		550 00	510 34	39 66
2.7 Militia and Armories:								
Rifle Range		600 00	416 90			1,016 90	1,016 00	90
Car Tickets to and from Rifle Range, etc.		650 00				650 00	462 50	187 50
Total Public Safety (Protection Life, Health and Property)	$6,240 00	$339,300 00	$13,990 66	$7,771 29	$406 84	$366,895 11	$357,869 68	$9,025 43

3. PUBLIC CHARITY.

	Balances from 1906 Appropriations	Appropriations by City Council	Additional Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
3.1 Hospitals.								
City Home Hospital		$1,600 00				$1,600 00	$1,599 71	$0 29
3.4 Almshouses:								
City Farm.								
Labor		4,000 00			$15 00	3,985 00	3,980 78	4 22
Supplies		900 00	$100 00			1,000 00	998 46	1 54
City Home:								
Salaries		7,090 00		$15 00	70 00	7,035 00	7.034 62	38
General Expenses		12,000 00	400 00	70 00		12,470 00	12,469 93	07
3.5 Out-door Relief:								
Salaries		3,500 00		60 00		3,560 00	3,560 00	
General Expenses		15,000 00	6,600 00		760 00	20,840 00	20,813 57	26 43
City Physician		1,500 00				1,500 00	1,500 00	
3.9 Miscellaneous:								
State Aid—Soldiers' Relief		27,000 00	3,500 00			30,500 00	30,377 74	122 26
Total Public Charity		$72,590 00	$10,600 00	$145 00	$845 00	$82,490 00	$82,334 81	$155 19

	Balances from 1906 Appropriations	Appropriations by City Council	Additional Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
4.1 Administration:								
Engineering Department:								
Salaries		$8,800 00			$50 00	$8,750 00	$8,682 84	$67 16
General Expenses		850 00		$50 00		900 00	898 98	1 02
Salaries—Superintendent of Streets and Clerks		6,260 00		13 00		6,273 00	6,273 00	
4.2 Opening, Grading, Widening Streets:								
Grade Crossing.								
Land Damages	$5,290 26	12,350 00	$15,450 00	1,552 98		34,643 24	19,681 80	14,961 44
Street Construction.								
Sundry Streets	6,925 49					6,925 49	6,916 62	8 87
Allston Street and others			3,500 00			3,500 00	2,028 38	1,471 62
Charles Street		2,700 00			398 22	2,301 78	2,301 78	
Sidney Street		18,000 00			1,053 37	16,946 63	16,946 63	
Osborn Street		6,200 00			831 38	5,368 62	5,368 62	
Otis Street		5,100 00			721 60	4,378 40	4,378 40	
Houghton Street and others			18,500 00			18,500 00	16,677 07	1,822 93
Somerville Avenue				1,451 59		1,451 59	201 25	1,250 34
Board of Survey		175 00				175 00	174 73	27
4.3 Street Paving:								
Street Maintenance		65,000 00		800 00	800 00	65,000 00	64,875 53	124 47
Crossings		3,000 00			337 00	2,663 00	2,662 27	73
Rebuilding, Sundry Streets	3,722 19					3,722 19	3,719 45	2 74
Bridge Street		4,000 00			3,348 21	651 79	651 79	
Cambridge Street		11,000 00			1,800 00	9,200 00	8,018 55	1,181 45
Garden Street		26 000 00			1,247 94	24,752 06	24,752 06	
Hampshire Street		20,000 00				20,000 00	19,529 98	470 02
Massachusetts Avenue		40,000 00				40,000 00	39,982 96	17 04
First Street				1,000 00		1,000 00	919 10	80 90
4.4 Sidewalks:								
Paving—Edgestones and Sidewalks		25,000 00	1,500 00			26,500 00	26,494 54	5 46
Sidewalk Repairs		5,000 00	500 00			5,500 00	5,494 80	5 20
4.5 Street Lighting:								
Salaries		1,000 00				1,000 00	1,000 00	
General Expenses		77,000 00	355 00	1,350 00		78,705 00	78,693 32	11 68
4.6 Street Cleaning:		30,000 00	2,000 00	5,041 15		37,041 15	36,984 62	56 53
4.7 Snow Removal:		9,000 00				9,000 00	18,997 32	2 68
4.8 Street Sprinkling:		30,300 00	1,000 00			31,300 00	31,291 10	8 90

4. PUBLIC HIGHWAYS AND SANITATION—Concluded.

	Balances from 1906 Appropriations	Appropriations by City Council	Additional Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
4.9 Refuse Collection and Disposal:								
House Offal:								
Labor		$27,200 00	$1,200 00		$65 00	$28,335 00	$28,320 45	$14 55
General Expenses		6,000 00	900 00	$765 00		7,665 00	7,664 70	30
Collection of Ashes		33,200 00	3,500 00	800 00		37,500 00	37,458 48	41 52
Incinerator Plant			30,000 00			30,000 00	386 09	29,613 91
4.10 Sewers and Sewage Disposal:								
Sewer Department:								
Construction:								
General		17,000 00				17,000 00	15,225 24	1,774 76
Portland Street Trunk Sewer		20,000 00		8,000 00		28,000 00	25,387 16	2,612 84
Gate Chambers		5,000 00				5,000 00	2,831 50	2,168 50
Separate System of Drainage	$6,509 32	10,000 00	10,000 00			26,509 32	19,229 69	7,279 63
Subway Construction		15,000 00			8,000 00	7,000 00		7,000 00
Maintenance		18,000 00	2,000 00			20,000 00	19,469 20	530 80
4.12 Bridges:								
Boston Bridges:								
Salaries and Labor		7,500 00	702 50		234 30	7,968 20	7,968 12	08
General Expenses		3,500 00	310 00	190 00	76 70	3,923 30	3,923 26	04
Cambridge Bridge	4,173 06	50,000 00	55,000 00			109,173 06	106,926 72	2,246 34
Brookline Bridge Approach	3,483 89					3,483 89	1,851 91	1,631 98
Commercial Avenue Bridge	50,000 00	5,000 00				55,000 00	18,839 77	36,160 23
Soldiers' Field Bridge			500 00			500 00	18 24	481 76
Bridges—Street Department		5,000 00	2,631 62			7,631 62	7,537 26	94 36
4.13 Miscellaneous:								
Damages to Persons and Personal Property		2,500 00				2,500 00	1,851 00	649 00
Civil Service Department		350 00				350 00	348 60	1 40
Total Public Highways and Sanitation	$80,104 21	$631,985 00	$149,549 12	$21,013 72	$18,963 72	$863,688 33	$749,834 88	$113,853 45

5. MUNICIPAL ENTERPRISES.

	Balances from 1906 Appropriations	Appropriations by City Council	Additional Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
5.1 Water Department:								
Construction General		$20,000 00			$1,000 00	$19,000 00	$17,286 84	$1,713 16
Broad Canal Conduits	$22,809 54	190 46				23,000 00	22,801 86	198 14
Hobbs' Brook Conduit	1,386 81	23,613 19	$25,000 00			50,000 00	37,258 09	12,741 91
Services of City Solicitor		1,000 00				1,000 00	1000 00	
Meters		5,000 00		$1,000 00		6,000 00	5,,834 62	165 38
Maintenance:								
Salaries of Superintendent, Registrar, Clerk of Board, Inspectors and Clerks		11,500 00				11,500 00	11,332 90	167 10
General Expenses		24,000 00	5,000 00	2,110 00	100 00	31,010 00	30,059 45	950 55
Pumping:								
Salaries and Labor		8,000 00		100 00		8,100 00	8,079 26	20 74
General Expenses		9,000 00	3,000 00			12,000 00	11,997 60	2 40
Fresh Pond Reservoir		8,500 00			1,560 00	6,940 00	6,731 64	208 36
Sanitary Drinking Fountains, etc.		3,000 00				3,000 00	687 39	2,312 61
Hobbs' Brook Reservoir		1,600 00			150 00	1,450 00	1,448 83	1 17
Payson Park Reservoir		1,000 00			175 00	825 00	803 75	21 25
Stony Brook Reservoir		2,600 00			225 00	2,375 00	2,346 14	28 86
Services of City Treasurer		1,500 00				1,500 00	1,500 00	
Ice for Fountains		900 00				900 00	777 76	122 24
Abatements		3,200 00				3,200 00	3,198 35	1 65
Refunds		2,000 00	2,100 00			4,100 00	4,062 37	37 63
5.2 Cemetery Department:								
Salaries and Labor		16,000 00				16,000 00	15,848 77	151 23
General Expenses		3,000 00				3,000 00	2,998 97	1 03
Rebuilding Wall		1,000 00				1,000 00	998 26	1 74
Total Municipal Enterprises	$24,196 35	$146,603 65	$35,100 00	$3,210 00	$3,210 00	$205,900 00	$187,052 85	$18,847 15

6 PUBLIC EDUCATION, LIBRARIES, ETC.

	Balances from 1906 Appropriations	Appropriations by City Council	Additional Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
6.1 Schools:								
Salaries, Janitors and Others		$41,000 00	$1,925 00			$42,925 00	$42,917 44	$7 56
General Expenses		35,000 00	19,250 00			54,250 00	54,249 65	35
Taylor School House Land		2,500 00				2,500 00	2,500 00	
Houghton School House	$3,765 49					3,765 49	3,720 60	44 89
Wellington School House Addition	39,770 71					39,770 71	39,763 32	7 39
Care of Truants		2,500 00	750 00	$28 68		3,278 68	3,278 68	
Flags		100 00				100 00	32 40	67 60
Incidentals		2,200 00	700 00			2,900 00	2,899 64	36
Text Books and Supplies		20,000 00	8,250 00			28,250 00	28,249 57	43
Transportation of Pupils		250 00				250 00	222 00	28 00
Tuition, etc.								
Salaries, Teachers and Officers		395,000 00				395,000 00	394,999 00	1 00
Vacation Schools		2,000 00			$28 68	1,971 32	1,913 39	57 93
6.2 Libraries:								
Main Library:								
Salaries		11,000 00	100 00			11,100 00	11,099 41	59
General Expenses		4,585 97		400 00		4,985 97	4,985 65	32
Dog License Fund		5,414 03				5,414 03	5,414 03	
East Cambridge Branch:								
Salaries		1,039 50			78 00	961 50	961 30	20
General Expenses		1,000 00		78 00		1,078 00	1,077 95	05
North Cambridge Branch:								
Salaries		1,200 00			110 00	1,090 00	1,089 45	55
General Expenses		400 00		110 00		510 00	509 55	45
Books and Periodicals		1,000 00				1,000 00	999 46	54
Total Public Education, Libraries, etc.	$43,536 20	$526,189 50	$30,975 00	$616 68	$216 68	$601,100 70	$600,882 49	$218 21

7. PUBLIC RECREATION.

	Balances from 1906 Appropriations	Appropriations by City Council	Additianal Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
7.2 Parks:								
Park Department Construction and Lands	$21,815 43		$8,000 00			$29,815 43	$23,986 27	$5,829 16
Rindge Field			2,000 00			2,000 00	1,899 30	100 70
Playground, Mill Pond		$1,000 00				1,000 00	999 77	23
Playground, East Cambridge	362 20					362 20	72 25	289 95
Park Department, Maintenance:								
Moth Extermination		10,000 00			$1,000 00	9,000 00	8,999 67	33
Cambridge Field and Shelter		6,000 00				6,000 00	5,999 89	11
Commons, Squares and Public Grounds		4,500 00		$800 00		5,300 00	5,299 61	39
General Account		500 00	900 00			1,400 00	1,399 59	41
Salaries		2,200 00				2,200 00	2,144 00	56 00
Shade Trees		4,000 00		1,000 00		5,000 00	4,999 92	08
Sections A, B, D and F		3,000 00	2,600 00		800 00	4,800 00	4,799 65	35
Rindge Field		1,000 00				1,000 00	999 66	34
Sections G and H		2,000 00				2,000 00	1,999 77	23
Sand Gardens		200 00				200 00	199 79	21
7.3 Baths:								
Bath House, Captain's Island		2,300 00				2,300 00	2,299 56	44
7.4 Celebrations:								
Independence Day		1,700 00				1,700 00	1,627 33	72 67
Labor Day		400 00				400 00	399 65	35
Memorial Day		1,100 00				1,100 00	1,100 00	
Old Home Week				500 00		500 00	491 00	9 00
Total Public Recreation	$22,177 63	$39,900 00	$13,500 00	$2,300 00	$1,800 00	$76,077 63	$69,716 68	$6,360 95

8. PUBLIC INDEBTEDNESS. (Transactions During the Year.)

	Balances from 1906 Appropriations	Appropriations by City Council	Additional Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
8.2 Payments to Sinking Funds:								
Brookline Bridge		$ 333 33				$ 333 33	$ 333 33	
Cambridge Bridge		19,333 33				19,333 33	19,333 33	
Cambridge Bridge Special		616 00				616 00	616 00	
Clay Lands		5,335 00				5,335 00	5,335 00	
Commercial Avenue Bridge		666 67				666 67	666 67	
General		105,520 38				105,520 38	105,520 38	
Harvard Bridge		8,800 00				8,800 00	8,800 00	
Hospital		225 00				225 00	225 00	
Improved Sewerage		9,878 00				9,878 00	9,878 00	
Metropolitan Park Assessment		1,012 00				1,012 00	1,012 00	
Park		24,453 33				24,453 33	24,453 33	
Separate System		1,100 00				1,100 00	1,100 00	
Water		125,110 00	7,033 62			132,143 62	132,143 62	
8.3 Serial Water Bond		12,500 00				12,500 00	12,500 00	
Total Transactions Concerning Public Debt		$314,883 04	$7,033 62			$321,916 66	$321,916 66	

9. PUBLIC INTEREST.

9.3 Payment of Interest on Debt:								
Temporary Tax Loans		$ 12,000 00	$1,800 00			$ 13,800 00	$ 13,794 10	$ 5 90
Upon Funded Debt		190,138 55	3,000 00			193,138 55	192,734 75	403 80
Upon Park Loans		56,440 00	200 00			56,640 00	56,620 00	20 00
Upon Water Loans		157,000 00				157,000 00	150,165 25	6,834 75
9.4 Miscellaneous Interest:								
Interest on Trust Funds		1,500 00				1,500 00	1,500 00	
Total Interest		$417,078 55	$5,000 00			$422,078 55	$414,814 10	$7,264 45

RECAPITULATION.

	Balances from 1906 Appropriations	Appropriations by City Council	Additional Appropriations during year	Transfers to this Department	Transfers from this Department	Total Amount Available for Expenditure	Expended	Balance Unexpended
1 General Administration	.....	$117,890 00	$10,874 59	$1,962 22	$11,576 67	$119,150 14	$118,001 71	$1,148 43
2 Public Safety	$6,240 00	339,300 00	13,990 66	7,771 29	406 84	366,895 11	357,869 68	9,025 43
3 Public Charity	....	72,590 00	10,600 00	145 00	845 00	82,490 00	82,334 81	155 19
4 Public Highways and Sanitation	80,104 21	631,985 00	149,549 12	21,013 72	18,963 72	863,688 33	749,834 88	113,853 45
5 Municipal Enterprises	24,196 35	146,603 65	35,100 00	3,210 00	3,210 00	205,900 00	187,052 85	18,847 15
6 Public Education, Libraries, etc	43,536 20	526,189 50	30,975 00	616 68	216 68	601,100 70	600,882 49	218 21
7 Public Recreation	22,177 63	39,900 00	13,500 00	2,300 00	1,800 00	76,077 63	69,716 68	6,360 95
8 Public Indebtedness	.....	314,883 04	7,033 62	.....	.....	321,916 66	321,916 66	.....
9 Public Interest	.....	417,078 55	5,000 00	.....	... .	422,078 55	414,814 10	7,264 45
Totals	$176,254 39	$2,606,419 74	$276,622 99	$37,018 91	$37,018 91	$3,059,297 12	$2,902,423 86	$156,873 26

SCHEDULE B

Nos. I TO VII

ASSETS AND LIABILITIES

SCHEDULE B-1.

November 30, 1907.

ASSETS.		LIABILITIES.	
Current Assets (B-II.)	$463,448 18	Current Liabilities (B-II.)	$223,409 49
Contingent Assets (B-III.)	160,974 11	Contingent Liabilities (B-III.)	1,060 00
Trust Funds and Special Deposits (B-IV.)	98,014 00	Trust Liabilities (B-IV.)	123,014 00
Sinking Funds (B-V.)	2,768,557 54	Bonded Debt (B-V.)	10,716,950 00
Total Available Assets	$3,490,993 83	Total Liabilities	$11,064,433 49
Fixed Assets (Unavailable. B-VI.)	11,925,336 02	General Deficit and Surplus Account (B-VII.)	4,351,896 36
Grand Total of Assets	$15,416,329 85	Grand Total of Liabilities and Surplus	$15,416,329 85

SCHEDULE B-II.

CURRENT ASSETS.

CASH:		
Cash in the Treasury available for general purposes		$2,853 15
Cash in the Treasury available for special assessments (*included above*).		
GOOD ACCOUNTS RECEIVABLE:—		
Delinquent Property Taxes	$434,724 20	
Other good accounts:—		
Moth Assessments	747 68	
Sewer Assessments	2,412 34	
Sidewalk Assesments	2,625 94	
Street Watering Assessments	8,862 20	
Miscellaneous Bills	11,222 67	
Total Good Accounts Receivable		460,595 03
Total Current Assets		$563,448 18

CURRENT LIABILITIES.

(Floating Debts.)

1. OUTSTANDING ACCOUNTS DUE AND UNPAID:		
Of the current year		
Land Damages	$72,611 44	
Of previous years		
Tax Sale Surplus	461 07	
2. OUTSTANDING ACCOUNTS NOT DUE:		
Temporary Tax Loans Unpaid	20,000 00	
Other Accounts, Miscellaneous Bills	130,336 98	
Total Current Liabilities		223,409 49
Surplus of Current Assets (B-VII.)		$240,038 69

SCHEDULE B-III.

CONTINGENT ASSETS.

DOUBTFUL ACCOUNTS RECEIVABLE:		
Delinquent Personal Property and Poll Taxes, viz.:		
1903	$19,616 67	
1904	19,746 98	
1905	21,897 01	
1906	29,584 28	
1907	50,000 00	
Liens	129 17	
		$140,974 11
Other doubtful accounts, viz.:		
Betterments		
Miscellaneous Bills		20,000 00
Total Contingent Assets		$160,974 11

CONTINGENT LIABILITIES.

RETENTION FUND ACCOUNT:		
Percentage of Contractors' payments retained, viz.:		
Hugh Farrell	$489 00	
W. H. Mague Co	221 00	
The Scherzer Rolling Lift Bridge Co	450 00	
Total Contingent Liabilities		1,060 00
Surplus of Contingent Assets (B-VII.)		$159,914 11

SCHEDULE B-IV.

TRUST FUND ASSETS.

CASH IN TRUST FUNDS:		
Firemen's Pension Fund		
Police Pension Fund		
Special Deposits, etc., viz.:		
Cemetery Fund	$4,331 04	
Bridge Charitable Fund	2,506 27	
Sarah E. Russell Fund	814 41	
Wm. E. Saunders Fund	415 02	
Citizens' Subscription Fund	52 20	
Cummings Legacy	11 15	
Fay Legacy	13 37	
James A. Woolson Fund	20 54	
Total cash in Trust Funds		$8,164 00
INVESTMENT OF TRUST FUNDS:		
Stocks and Bonds in various Funds, viz.:		
Cemetery Fund	$69,350 00	
Cummings Legacy	2,000 00	
Fay Legacy	1,000 00	
Citizens' Subscription Fund	5,500 00	
Wm. E. Saunders Fund	7,000 00	
James A. Woolson Fund	5,000 00	
		89,850 00
Total Assets in Trust Funds		$98,014 00

LIABILITIES.

Firemen's Pension Fund Account		
Police Pension Fund Account		
Other Trust Funds and Special Funds, viz.:		
Daniel White Charity Fund	$5,000 00	
Dowse Institute Fund	10,000 00	
Sanders Temperance Fund	10,000 00	
Cemetery Fund Account	73,681 04	
Bridge Charitable Fund	2,506 27	
Citizens' Subscription Fund	5,552 20	
Cummings Legacy	2,011 15	
Fay Legacy	1,013 37	
Sarah E. Russell Fund	814 41	
Wm. E. Saunders Fund	7,415 02	
James A. Woolson Fund	5,020 54	
Total Liabilities		123,014 00
Deficit in Trust Funds		$25,000 00

SCHEDULE B-v.

SINKING FUND ASSETS.

CASH IN ALL SINKING FUNDS.....	$83,257 54
INVESTMENTS OF SINKING FUNDS.....	
Bonds and Other Securities, viz.: (Per list in report of Sinking Funds Commissioners)	$2,685,300 00
Total Assets in Sinking Funds.....	$2,768,557 54

BONDED DEBTS OF THE CITY.

1. GENERAL BONDS:		
a. For General Municipal Purposes.		
*Funded City Debt.....	$6,896,350 00	
b. For Municipal Enterprises.		
†Water Works.....	3,820,600 00	
2. SPECIAL ASSESSMENT BONDS:‡		
Total of Bonded Debts.....		$10,716,950 00
Excess of Debts (Net Bonded Debt. See B-vii)		$7,948,392 46

*Schedule in detail will be found on pages 276 to 280, inclusive, of the Auditor's Report.
†Schedule in detail will be found on pages 280, 281, of the Auditor's Report.
‡Included in 1-a above.

SCHEDULE B-VI.

FIXED ASSETS.

LAND, BUILDINGS AND EQUIPMENT.

Law Department, equipment		$200 00
City Buildings:		
Land	$104,300 00	
Buildings	347,100 00	
Equipment	42,113 00	
		493,513 00
Police Department:		
Equipment		14,469 75
Fire Department:		
Land	$43,800 00	
Buildings	158,500 00	
Equipment	84,860 00	
		287,160 00
Fire and Police Telegraph, Equipment		38,430 00
Health Department:—		
Land	$10,100 00	
Buildings	3,600 00	
Equipment	3,073 25	
		16,773 25
Inspection of Milk and Vinegar, Equipment		1,315 86
Cemeteries:		
Land	$60,000 00	
Buildings	2,500 00	
Equipment	3,257 65	
		65,757 65
Sealer of Weights and Measures, Equipment		1,973 75
City Home:		
Land	$53,500 00	
Buildings	28,200 00	
Equipment	20,795 00	
		102,495 00
Street Department (Stables, etc.):		
Land	$115,300 00	
Buildings	43,000 00	
Equipment	67,131 28	
		225,431 38
Engineering Department, Equipment		104,008 00

SCHEDULE B-VI.—Concluded.

Sewer Department (Stables, etc.):		
Land	$5,900 00	
Buildings	5,600 00	
Equipment	7,386 00	
		18,886 00
Street Lighting, Equipment		4,370 00
Bridge Department, Equipment		2,290 00
Water Works:		
Land, Dams, etc	$1,325,510 31	
Buildings	101,810 40	
Equipment	2,216,554 54	
		3,643,875 25
Schools:		
Land	$383,950 00	
Buildings	1,729,550 00	
Equipment	2,177,345 36	
		2,290,845 36
Library:		
Land	$85,000 00	
Buildings	145,000 00	
Equipment	87,660 00	
		317,660 00
Parks:—		
Land	$4,225,912 29	
Buildings	66,124 48	
Equipment	3,845 00	
		4,295,881 77
Total Fixed Assets. (See B-VII.)		$11,925,336 02

SCHEDULE B-VII.

GENERAL DEFICIT AND SURPLUS ACCOUNT.

DEFICITS.

* Deficit of Current Assets (B-II.), if any.....		
† Deficit of Contingent Assets (B-III.), if any..		
† Deficit of Trust Funds Assets (B-IV.), if any	$25,000 00	
† Deficit of Sinking Funds Assets (B-V.), viz:		
Net Bonded Debt.....	7,948,392 46	
Total of All Deficits.....		$7,973,392 46

SURPLUS.

* Surplus of Current Assets (B-II.), if any....	$240,038 69	
† Surplus of Contingent Assets (B-III.), if any	159,914 11	
† Surplus of Trust Funds (B-IV.), if any.....		
† Surplus of Sinking Funds (B-V.), if any.....		
Total Surplus, excluding Fixed Assets ‡		$399,952 80
Excess of Deficits, viz.:		
Total Net Debts of the City.....		$7,573,439 66

BALANCE.

Total of Fixed Assets:	
Land, Buildings, Equipments (B-VI.).....	$11,925,336 02
Deduct Total Net Debts of the City, as above...	7,573,439 66
Balance of this Account, General Surplus (B-I.)	$4,351,896 36

* Balance of Schedule B-II. will appear under *one* or the *other* of these heads.

† Balance of other schedules, B-III., etc., will appear in like manner.

‡ Fixed Assets are set up by themselves under "Balance." (See above.)

SCHEDULE B

No. VIII

CITY FUNDED DEBT AND MISCELLANEOUS TABLES

CITY FUNDED DEBT.

There have been additions to the City Funded Debt during the year as follows:—

Building Loan, registered bonds payable in twenty years at an annual interest of four per cent.	
For the purpose of construction of an incinerator plant on City land	$30,000 00
Cambridge Bridge Loan, registered and coupon bonds payable in forty years, at an annual interest of four per cent.	
For the purpose of the construction of the "Cambridge Bridge" and its approaches, and for other purposes, as authorized under the provisions of Chapter 467 of the Legislative Acts of 1898	105,000 00
Park Loan, registered bonds payable in forty years, at an annual interest of four per cent.	
For the purpose of paying for property purchased, taken or held for a public park or esplanade as authorized by Chapter 341 of the Acts of 1892, Chapter 337, Acts of 1893 and Acts in amendment thereof and in addition thereto, and also for defraying the expense of construction such park or esplanade and for any purpose incident to the protection, enlargement or advancement of a public park or esplanade in said City of Cambridge, as authorized by Chapter 221 of the Acts of the year 1899	10,000 00
Sewer Loans, registered bonds payable in thirty years, at an annual interest of four per cent.	
For the purpose of constructing sewers, as authorized by Chapter 383 of the Acts of 1903	35,000 00
For the purpose of constructing sewers, as authorized by Section 11 of Chapter 27 of the Revised Laws	35,000 00
Street Loan, registered bonds payable in twenty years, at an annual interest of four per cent.	
For the purpose of the construction of highways, streets and ways and for defraying the cost of any real estate or interest therein taken for such highways, streets, ways or buildings, under authority conferred by Chapter 212 of the Acts of 1894	94,000 00
	$309,000 00

	1906.	1907.	Increase.
Funded City Debt	$6,657,850 00	$6,896,350 00	$238,500 00
Sinking Funds	1,040,298 98	1,185,830 36	145,531 38
Net Funded City Debt	$5,617,551 02	$5,710,519 64	$92,968 62

The following is a statement of the total funded debt of the City, with the rates of interest thereon:—

HARVARD BRIDGE LOAN.

Date of Issue.	Rate of Interest.	When Due.	Amount.	Total.
Oct. 1, 1887 R.....	4 per cent.—30 yrs.	Oct. 1, 1917.. ...	$10,000 00	
July 1, 1888 C.....	4 " —30 "	July 1, 1918.. ...	100,000 00	
Sept. 1, 1888 C.....	4 " —30 "	Sept. 1, 1918.. ...	100,000 00	
Mar. 1, 1889 C.....	4 " —30 "	Mar. 1, 1919.. ...	115,000 00	
Nov. 1, 1890 R.....	4 " —30 "	Nov. 1, 1920.. ...	5,000 00	
July 1, 1891 C.....	4 " —30 "	July 1, 1921.. ...	60,000 00	
Aug. 1, 1893 C.....	4 " —30 "	Aug. 1, 1923.. ...	10,000 00	$400,000 00

CAMBRIDGE BRIDGE LOAN.

July 1, 1899 R.....	3½ per cent.—40 yrs.	July 1, 1939.. ...	$50,000 00	
July 2, 1900 R.....	3½ " —40 "	July 2, 1940.. ...	100,000 00	
Feb. 1, 1901 R.....	3 " —40 "	Feb. 1, 1941.. ...	100,000 00	
Nov. 1, 1901 R.....	3½ " —40 "	Nov. 1, 1941.. ...	100,000 00	
July 1, 1902 R. & C.	3½ " —40 "	July 1, 1942.. ...	100,000 00	
Jan. 1, 1903 R.....	3½ " —40 "	Jan. 1, 1943.. ...	50,000 00	
Apr. 1, 1903 R.....	3½ " —40 "	Apr. 1, 1943.. ...	50,000 00	
Aug. 1, 1903 C.....	3½ " —40 "	Aug. 1, 1943.. ...	50,000 00	
Jan. 1, 1904 R.....	3½ " —40 "	Jan. 1, 1944.. ...	100,000 00	
May 1, 1904 C.....	3½ " —40 "	May 1, 1944.. ...	200,000 00	
Aug. 1, 1904 R.....	3½ " —40 "	Aug. 1, 1944.. ...	150,000 00	
May 1, 1905 R.....	3½ " —40 "	May 1, 1945.. ...	150,000 00	
Dec. 1, 1905 R.....	3½ " —40 "	Dec. 1, 1945.. ...	100,000 00	
Aug. 1, 1906 R.....	4 " —40 "	Aug. 1, 1946.. ...	150,000 00	
Jan. 1, 1907 R.....	4 " —40 "	Jan. 1, 1947.. ...	50,000 00	
July 1, 1907 C.....	4 " —40 "	July 1, 1947.. ...	49,000 00	
Oct. 1, 1907 C.....	4 " —40 "	Oct. 1, 1947.. ...	15,000 00	$1,555,000 00

BROOKLINE BRIDGE LOAN.

Jan. 1, 1906	4 per cent.—40 yrs.	Jan. 1, 1946.. ...	$20,000 00	
Sept. 1, 1906	4 " —40 "	Sept. 1, 1946.. ...	5,000 00	$25,000 00

COMMERCIAL AVENUE BRIDGE.

Aug. 1, 1906	4 per cent.—40 yrs.	Aug. 1, 1946.. ...		$50,000 00

BUILDING LOAN.

Aug. 1, 1894 R. & C.	4 per cent.—20 yrs.	Aug. 1, 1914.. ...	$37,000 00	
Oct. 1, 1895 R.....	4 " —20 "	Oct. 1, 1915.. ...	25,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916.. ...	60,000 00	
Apr. 1, 1903 R.....	3½ " —20 "	Apr. 1, 1923.. ...	3,000 00	
Apr. 1, 1904 C.....	3½ " —20 "	Apr. 1, 1924.. ...	25,000 00	
May 1, 1904 R.....	3½ " —20 "	May 1, 1924.. ...	5,000 00	
Sept. 1, 1907 R.....	4 " —20 "	Sept. 1, 1927.. ...	30,000 00	$185,000 00

CAMBRIDGE BRIDGE SPECIAL LOAN.

(Charles River Dam.)

May 1, 1904 R.....	3½ per cent.—30 yrs.	May 1, 1934.. ...		$28,000 00

Amount carried forward $2,243,000 00

Amount brought forward				$2,243,000 00

CAMBRIDGE CEMETERY LOAN.

Nov. 1, 1900 R.....	3½ per cent.—10 yrs.	Nov. 1, 1910.. ...		$7,000 00

CITY LOAN.

Aug. 1, 1898 R.....	3½ per cent.—10 yrs.	Aug. 1, 1908.. ...	$4,900 00	
Nov. 1, 1901 R.....	3½ " —10 "	Nov. 1, 1911.. ...	6,000 00	
July 1, 1902 R.....	3½ " —10 "	July 1, 1912.. ...	38,000 00	
Nov. 1, 1902 R.....	3½ " —10 "	Nov. 1, 1912.. ...	20,000 00	$68,900 00

CLAY LAND LOAN.

July 1, 1896 R.....	4 per cent.—15 yrs.	July 1, 1911.. ...	$50,000 00	
Nov. 1, 1897 R.....	3½ " —15 "	Nov. 1, 1912.. ...	20,000 00	
Aug. 1, 1898 R.....	3½ " —15 "	Aug. 1, 1913.. ...	10,000 00	
July 1, 1899 R.....	3½ " —15 "	July 1, 1914.. ...	17,000 00	$97,000 00

HOSPITAL LOAN.

July 1, 1902 R.....	3½ per cent.—20 yrs.	July 1, 1922.. ...		$6,000 00

METROPOLITAN PARK ASSESSMENT LOAN.

Aug. 1, 1902 R.....	3½ per cent.—30 yrs.	Aug. 1, 1932.. ...		$46,000 00

PARK LOAN.

Feb. 1, 1894 R. & C.	4 per cent.—30 yrs.	Feb. 1, 1924.. ...	$360,000 00	
Aug. 1, 1895 R.....	4 " —40 "	Aug. 1, 1935.. ...	100,000 00	
Feb. 1, 1896 R.....	4 " —40 "	Feb. 1, 1936.. ...	100,000 00	
Aug. 1, 1896 R.....	4 " —30 "	Aug. 1, 1926.. ...	100,000 00	
Oct. 1, 1896 R.....	4 " —30 "	Oct. 1, 1926.. ...	40,000 00	
Sept. 1, 1897 R.....	3½ " —40 "	Sept. 1, 1937.. ...	100,000 00	
Nov. 1, 1897 R.....	3½ " —40 "	Nov. 1, 1937.. ...	50,000 00	
June 1, 1898 R.....	3½ " —40 "	June 1, 1938.. ...	50,000 00	
Aug. 1, 1898 R.....	3½ " —40 "	Aug. 1, 1938.. ...	100,000 00	
Aug. 1, 1899 R.....	3½ " —40 "	Aug. 1, 1939.. ...	100,000 00	
July 2, 1900 R.....	3½ " —40 "	July 2, 1940.. ...	50,000 00	
Nov. 1, 1900 R.....	3½ " —40 "	Nov. 1, 1940.. ...	50,000 00	
Nov. 1, 1901 R.....	3½ " —40 "	Nov. 1, 1941.. ...	100,000 00	
July 1, 1902 R.....	3½ " —40 "	July 1, 1942.. ...	48,000 00	
Apr. 1, 1903 R.....	3½ " —40 "	Apr. 1, 1943.. ...	50,000 00	
Sept. 1, 1904 R.....	3½ " —40 "	Sept. 1, 1944.. ...	25,000 00	
Nov. 1, 1904 R.....	3½ " —40 "	Nov. 1, 1944.. ...	6,000 00	
Apr. 1, 1905 R.....	3½ " —40 "	Apr. 1, 1945.. ...	5,000 00	
May 1, 1905 R.....	3½ " —40 "	May 1, 1945.. ...	45,000 00	
Aug. 1, 1905 R.....	3½ " —40 "	Aug. 1, 1945.. ...	5,000 00	
Sept. 1, 1906 R.....	4 " —40 "	Sept. 1, 1946.. ...	25,000 00	
Oct. 8, 1907 R.....	4 " —40 "	Oct. 1, 1947.. ...	10,000 00	$1,519,000 00

PUBLIC LIBRARY LOAN.

Nov. 1, 1901 R.....	3½ per cent.—20 yrs.	Nov. 1, 1921.. ...		$27,000 00

Amount carried forward	$4,013,900 00

Amount brought forward $4,013,900 00

SCHOOLHOUSE LOAN.

Aug. 1, 1894	R. & C.	4	per cent.—20 yrs.	Aug. 1, 1914	$81,000 00	
Oct. 1, 1895	R.	4	" —20 "	Oct. 1, 1915	35,000 00	
Oct. 1, 1896	R.	4	" —20 "	Oct. 1, 1916	43,000 00	
Oct. 1, 1896	R.	4	" —20 "	Oct. 1, 1916	6,000 00	
July 1, 1897	R.	3½	" —20 "	July 1, 1917	100,000 00	
May 2, 1898	R.	3½	" —20 "	May 2, 1918	100,000 00	
June 1, 1898	R.	3½	" —20 "	June 1, 1918	50,000 00	
Aug. 1, 1898	R.	3½	" —20 "	Aug. 1, 1918	142,000 00	
July 1, 1899	R.	3½	" —20 "	July 1, 1919	42,000 00	
July 1, 1899	R.	3½	" —10 "	July 1, 1909	45,000 00	
Nov. 1, 1899	R.	3½	" —10 "	Nov. 1, 1909	32,000 00	
Nov. 1, 1899	R.	3½	" —20 "	Nov. 1, 1919	13,000 00	
Nov. 1, 1900	R.	3½	" —10 "	Nov. 1, 1910	36,000 00	
July 1, 1901	R.	3½	" —20 "	July 1, 1921	76,000 00	
Nov. 1, 1901	R.	3½	" —10 "	Nov. 1, 1911	30,000 00	
July 1, 1902	R.	3½	" —20 "	July 1, 1922	86,500 00	
Oct. 1, 1902	R.	3½	" —20 "	Oct. 1, 1922	11,000 00	
Oct. 1, 1903	R.	3½	" —20 "	Oct. 1, 1923	80,000 00	
Apr. 1, 1904	C.	3½	" —20 "	Apr. 1, 1924	80,000 00	
Nov. 1, 1904	R.	3½	" —20 "	Nov. 1, 1924	20,000 00	
Nov. 1, 1904	R.	3½	" —20 "	Nov. 1, 1924	6,000 00	
May 1, 1905	R.	3½	" —20 "	May 1, 1925	20,950 00	
Aug. 1, 1905	R.	3½	" —20 "	Aug. 1, 1925	20,000 00	
Aug. 1, 1906	R.	4	" —20 "	Aug. 1, 1926	33,000 00	
Nov. 1, 1906	R.	4	" —20 "	Nov. 1, 1926	14,000 00	$1,202,450 00

SEWER LOAN.

Nov. 1, 1889	C.	4	per cent.—20 yrs.	Nov. 1, 1909	$22,000 00	
May 1, 1890	R.	4	" —20 "	May 1, 1910	15,000 00	
July 1, 1891	C.	4	" —20 "	July 1, 1911	15,000 00	
Aug. 1, 1894	R. & C.	4	" —30 "	Aug. 1, 1924	75,000 00	
Oct. 1, 1895	R.	4	" —30 "	Oct. 1, 1925	60,000 00	
Oct. 1, 1896	R.	4	" —20 "	Oct. 1, 1916	75,000 00	
Aug. 1, 1901	R.	3½	" —30 "	Aug. 1, 1931	10,000 00	
Oct. 1, 1903	R.	3½	" —30 "	Oct. 1, 1933	20,000 00	
May 1, 1904	R.	3½	" —30 "	May 1, 1934	40,000 00	
Nov. 1, 1904	R.	3½	" —30 "	Nov. 1, 1934	5,000 00	
May 1, 1905	R.	3½	" —30 "	May 1, 1935	15,000 00	
May 1, 1906	R.	4	" —30 "	May 1, 1936	10,000 00	
Apr. 1, 1907	R.	4	" —30 "	Apr. 1, 1937	35,000 00	$397,000 00

SEWER LOAN. (Improved Sewerage.)

Nov. 1, 1899	R.	3½	per cent.—30 yrs.	Nov. 1, 1929	$42,000 00	
July 2, 1900	R.	3½	" —30 "	July 2, 1930	100,000 00	
Aug. 1, 1901	R.	3½	" —30 "	Aug. 1, 1931	100,000 00	
Nov. 1, 1902	R.	3½	" —30 "	Nov. 1, 1932	20,000 00	
Apr. 1, 1903	R.	3½	" —30 "	Apr. 1, 1933	40,000 00	
May 1, 1904	R.	3½	" —30 "	May 1, 1934	47,000 00	
May 1, 1905	R.	3½	" —30 "	May 1, 1935	50,000 00	$399,000 00

SEWER LOAN. (Separate System of Drainage.)

May 1, 1904	R.	3½	per cent.—30 yrs.	May 1, 1934	$25,000 00	
May 1, 1905	R.	3½	" —30 "	May 1, 1935	25,000 00	
May 1, 1906	R.	4	" —30 "	May 1, 1936	25,000 00	
Sept. 1, 1906	R.	4	" —30 "	Sept. 1, 1936	25,000 00	
Apr. 1, 1907	R.	4	" —30 "	Apr. 1, 1937	25,000 00	
Nov. 1, 1907	R.	4	" —30 "	Nov. 1, 1937	10,000 00	$135,000 00

Amount carried forward $6,147,350 00

Amount brought forward $6,147,350 00

STREET LOAN.

Aug. 1, 1894 C.....	4	per cent.—20 yrs.	Aug. 1, 1914.. ...	$30,000 00	
Oct. 1, 1895 R.....	4	" —20 "	Oct. 1, 1915.. ...	60,000 00	
Oct. 1, 1896 R.....	4	" —20 "	Oct. 1, 1916.. ...	137,000 00	
May 2, 1898 R.....	3½	" —20 "	May 2, 1918.. ...	15,000 00	
Nov. 1, 1899 R.....	3½	" —20 "	Nov. 1, 1919.. ...	5,000 00	
Nov. 1, 1900 R.....	3½	" —20 "	Nov. 1, 1920.. ...	21,000 00	
July 1, 1901 R.....	3½	" —20 "	July 1, 1921.. ...	54,000 00	
July 1, 1902 R.....	3½	" —20 "	July 1, 1922.. ...	30,000 00	
Nov. 1, 1902 R.....	3½	" —20 "	Nov. 1, 1922.. ...	14,000 00	
Apr. 1, 1903 R.....	3½	" —20 "	Apr. 1, 1923.. ...	4,000 00	
Nov. 2, 1903 R.....	3½	" —20 "	Nov. 2, 1923.. ...	12,000 00	
Sept. 1, 1904 R.....	3½	" —20 "	Sept. 1, 1924.. ...	59,000 00	
Nov. 1, 1904 R.....	3½	" —20 "	Nov. 1, 1924.. ...	6,500 00	
May 1, 1905 R.....	3½	" —20 "	May 1, 1925.. ...	84,000 00	
Nov. 1, 1905 R.....	3½	" —20 "	Nov. 1, 1925.. ...	1,500 00	
May 1, 1906 R. & C.	4	" —20 "	May 1, 1926.. ...	100,000 00	
Aug. 1, 1906 R.....	4	" —20 "	Aug. 1, 1926.. ...	22,000 00	
Apr. 1, 1907 R.....	4	" —20 "	Apr. 1, 1927.. ...	40,000 00	
June 1, 1907 R.....	4	" —20 "	June 1, 1927.. ...	19,000 00	
Sept. 1, 1907 R.....	4	" —20 "	Sept. 1, 1927.. ...	25,000 00	
Nov. 1, 1907 R.....	4	" —20 "	Nov. 1, 1927.. ...	10,000 00	$749,000 00

TOTAL FUNDED CITY DEBT $6,896,350 00

Following is a statement of the total Funded Water Debt of the City, with rates of interest thereon:—

Date of Issue.	Rate of Interest.	When Due.	Amount.	Total,
July 1, 1888 C.....	4 per cent.—20 yrs.	July 1, 1908.. ...	$46,000 00	
Aug. 1, 1888 C.....	4 " —20 "	Aug. 1, 1908.. ...	25,000 00	
July 1, 1889 C.....	4 " —20 "	July 1, 1909.. ...	20,000 00	
May 1, 1885 R. & C.	4 " —25 "	May 1, 1910.. ...	288,000 00	
July 1, 1890 C.....	4 " —20 "	July 1, 1910.. ...	75,000 00	
Sept. 1, 1890 C.....	4 " —20 "	Sept. 1, 1910.. ...	125,000 00	
Jan. 1, 1891 C.....	4 " —20 "	Jan. 1, 1911.. ...	20,000 00	
Oct. 1, 1891 C.....	4 " —20 "	Oct. 1, 1911.. ...	35,000 00	
Jan. 1, 1892 C.....	4 " —20 "	Jan. 1, 1912.. ...	150,000 00	
May 2, 1892 C.....	4 " —20 "	May 2, 1912.. ...	75,000 00	
Nov. 1, 1892 C.....	4 " —20 "	Nov. 1, 1912.. ...	45,000 00	
Feb. 1, 1893 R.....	4 " —20 "	Feb. 1, 1913.. ...	100,000 00	
Aug. 1, 1893 R. & C.	4 " —20 "	Aug. 1, 1913.. ...	50,000 00	
Apr. 1, 1895 R.....	4 " —20 "	Apr. 1, 1915.. ...	200,000 00	
Aug. 1, 1895 R.....	4 " —20 "	Aug. 1, 1915.. ...	200,000 00	
Apr. 1, 1894 C.....	4 " —30 "	Apr. 1, 1924.. ...	300,000 00	
Apr. 1, 1896 R.....	4 " —20 "	Apr. 1, 1916.. ...	100,000 00	
July 1, 1896 R.....	4 " —20 "	July 1, 1916.. ...	200,000 00	
Aug. 1, 1896 R.....	4 " —20 "	Aug. 1, 1916.. ...	100,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916.. ...	265,100 00	
Apr. 1, 1897 R.....	3½ " —20 "	Apr. 1, 1917,. ...	200,000 00	
July 1, 1897 R.....	3½ " —20 "	July 1, 1917.. ...	100,000 00	
Nov. 1, 1897 R.....	3½ " —20 "	Nov. 1, 1917.. ...	75,000 00	
Dec. 1, 1897 R.....	3½ " —20 "	Dec. 1, 1917.. ...	140,000 00	
May 2, 1898 R.....	3½ " —20 "	May 2, 1918	50,000 00	
June 1, 1898 R.....	3½ " —20 "	June 1, 1918.. ...	60,000 00	
Nov. 1, 1898 R.....	3½ " —20 "	Nov. 1, 1918.. ...	50,000 00	
Nov. 1, 1899 R.....	3½ " —20 "	Nov. 1, 1919.. ...	23,000 00	
Nov. 1, 1900 R.....	3½ " —20 "	Nov. 1, 1920.. ...	30,000 00	
July 1, 1901 R.....	3½ " —20 "	July 1, 1921.. ...	30,000 00	
July 1, 1902 R.....	3½ " —20 "	July 1, 1922.. ...	13,500 00	
Nov. 1, 1902 R.....	3½ " —20 "	Nov. 1, 1922.. ...	5,000 00	
May 1, 1905 R.....	3½ " —20 "	May 1, 1925.. ...	46,000 00	
May 1, 1906 R. & C.	4 " —30 "	May 1, 1936.. ...	280,000 00	
June 1, 1907 R.....	4 " —30 "	June 1, 1937.. ...	49,000 00	
July 1, 1907 C.....	4 " —30 "	July 1, 1937.. ...	25,000 00	$3,595,600 00

Amount carried forward $3,595,600 00

Amount brought forward $3,595,600 00

SERIAL LOAN.

May 1, 1905 S.....	3½ per cent.— 3 yrs.	May 1, 1908.. ...	$12,500 00		
" 1, 1905 S.....	3½ " — 4 "	" 1, 1909.. ...	12,500 00		
" 1, 1905 S.....	3½ " — 5 "	" 1, 1910.. ...	12,500 00		
" 1, 1905 S.....	3½ " — 6 "	" 1, 1911.. ...	12,500 00		
" 1, 1905 S.....	3½ " — 7 "	" 1, 1912.. ...	12,500 00		
" 1, 1905 S.....	3½ " — 8 "	" 1, 1913.. ...	12,500 00		
" 1, 1905 S.....	3½ " — 9 "	" 1, 1914.. ...	12,500 00		
" 1, 1905 S.....	3½ " —10 "	" 1, 1915.. ...	12,500 00		
" 1, 1905 S.....	3½ " —11 "	" 1, 1916.. ...	12,500 00		
" 1, 1905 S.....	3½ " —12 "	" 1, 1917.. ...	12,500 00		
" 1, 1905 S.....	3½ " —13 "	" 1, 1918.. ...	12,500 00		
" 1, 1905 S.....	3½ " —14 "	" 1, 1919.. ...	12,500 00		
" 1, 1905 S.....	3½ " —15 "	" 1, 1920.. ...	12,500 00		
" 1, 1905 S.....	3½ " —16 "	" 1, 1921.. ...	12,500 00		
" 1, 1905 S.....	3½ " —17 "	" 1, 1922.. ...	12,500 00		
" 1, 1905 S.....	3½ " —18 "	" 1, 1923.. ...	12,500 00		
" 1, 1905 S.....	3½ " —19 "	" 1, 1924.. ...	12,500 00		
" 1, 1905 S.....	3½ " —20 "	" 1, 1925.. ...	12,500 00	$225,000 00	
				$3,820,600 00	

	1906,	1907.	Increase.	Decrease.
Funded Water Debt.....	$3,871,100 00	$3,820,600 00		$50,500 00
Sinking Fund.....	1,507,749 85	1,582,727 18	$74,977 33	
Net Funded Water Debt.	$2,363,350 15	$2,237,872 82	$74,977 33	$125,477 33

RECAPITULATION.

Amount of founded City Loan upon which interest is at 4 per cent.	$2,694,000 00	
Amount of funded City Loan upon which interest is at 3½ per cent.	4,102,350 00	
Amount of funded City Loan upon which interest is at 3 per cent.	100,000 00	
		$6,896,350 00
Amount of Water Loan upon which interest is at 4 per cent.	2,773,100 00	
Amount of Water Loan upon which interest is at 3½ per cent.	1,047,500 00	
		$3,820,600 00

Temporary loans for the past twelve years, and interest upon the same:—

Year.	Temporary Loan.	Interest paid upon Loan.	Year.	Temporary Loan.	Interest paid upon Loan.
1896.....	$786,000	$12,344 07	1902.....	$520,000	$8,337 76
1897.....	600,000	6,186 40	1903.....	701,000	9,388 13
1898.....	500,000	9,642 86	1904.....	550,000	8,548 37
1899.....	550,000	6,968 83	1905.....	575,000	8,829 92
1900.....	600,000	9,961 96	1906.....	413,000	9,314 60
1901.....	550,000	6,759 03	1907.....	720,000	13,794 10

THE TRUST FUNDS

Assumed by the City are held by trustees, and interest is paid upon them at the rate of 6 per cent. annually, as follows:—

Name of Fund.	Amount.	Interest.
Daniel White Charity Fund.....	$5,000	At 6 per cent.....$300
Dowse Institute Fund.....	10,000	At 6 per cent..... 600
Sanders Temperance Fund	10,000	At 6 per cent..... 600
	$25,000	$1,500

DANIEL WHITE CHARITY. ($10,360.00.)

Established by Daniel White, of Charlestown, in his lifetime, for the purchase and distribution of fuel among the deserving poor of Cambridge, his native city.

May 15, 1863, he appointed four trustees, with the Mayor of Cambridge, *ex officio*, to hold the fund of $5,000.00, the interest only to be expended. The trustees fill any vacancies in their number, in case of death, etc. Ex-Mayor J. Warren Merrill added to this fund a bequest in cash and stocks to the value of $5,360.00, thus making the principal $10,360.00. The present permanent members are George S. Saunders, Lucas B. Grover, Willard A. Bullard and George H. Howard, and the fund is invested by the trustees.

THE DOWSE INSTITUTE. ($10,000 00.)

The executors of Thomas Dowse, under a discretionary power in his will, gave to the City, on June 3, 1858, the sum of ten thousand dollars for an annual course of lectures, the City agreeing to pay to the trustees of said institute interest thereon at the rate of six per cent. per annum. The trustees consist of three permanent members, with the Mayor and the President of the Common Council, for the time being. The original permanent members were appointed by the executors, and the board fills its own vacancies.

THE SANDERS TEMPERANCE FUND. ($10,000.00.)

This sum was given to the City by the will of Charles Sanders, of Cambridge, who died April 7, 1864, for the support of a missionary to promote the cause of temperance. The trustees consist of the Mayor, President of the Board of Aldermen and President of the Common Council. The fund is invested in a note of the City, bearing interest payable quarter-yearly.

THE HOPKINS FUND. (£500.)

Edward Hopkins died in London, England, in 1657 or 1658, leaving £500 to be used upon the death of his widow, to aid a college and school in New England. The Court of Chancery gave it to Harvard College and a school in Cambridge. One-fourth of the net income is paid annually to the City for classical instruction in the Latin School. The trustees are a corporation established in Boston.

[CHAPTER 322.]

AN ACT TO PROVIDE FOR THE AUDITING OF CERTAIN TRUST FUNDS AND ACCOUNTS.

Be it enacted, etc., as follows:

SECTION 1. It shall be the duty of city and town auditors at least once every year, and so much oftener as they may deem it necessary, to audit the accounts of the trustees of any property, the principal or income of which, in whole or in part, was bequeathed or given in trust for the benefit of the city or town or any part thereof, or for the benefit of the inhabitants of the city or town of any part thereof, and to examine and estimate the funds, securities and evidences of property held by such trustees. City and town auditors shall include in their annual reports a report of such auditing and investigation; and if they discover any fraud or irregularity they shall immediately report the same to the mayor and treasurer of the city or to the selectmen and treasurer of the town.

SECTION 2. It shall be the duty of the trustees designated in section one hereof to give city and town auditors free access to their accounts, funds, securities and evidences of property; and any such trustee who refuses to exhibit his trust accounts, funds, securities and evidences as aforesaid shall be subject to a fine of not less than fifty nor more than two hundred dollars.

SECTION 3. This act shall be construed as applying only to property held in trust for public uses. [*Approved May* 9, 1904.]

Under the provisions of the foregoing Act, I hereby certify that I have examined the accounts, vouchers and securities belonging to the Trust Funds held for public uses and find them correct and in excellent condition.

Attest,

HARRY T. UPHAM, *City Auditor.*

CEMETERY FUND FOR PERPETUAL CARE OF LOTS.

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the perpetual care of their lots therein. The fund is almost all invested in City of Cambridge registered bonds. First established in 1860.

Amount of Fund, Dec. 1, 1906	$71,044 08	
Received in 1907, from proprietors of lots	2,490 50	
Interest	14 46	
		$73,549 04
Invested as follows, viz.:—		
City of Cambridge registered bonds	$69,350 00	
Deposited in Cambridgeport Savings Bank	4,199 04	
		$73,549 04
Interest received during the year ending Nov. 30, 1907, and paid for care of lots		$2,638 70

CEMETERY FUND: DEEDS IN TRUST.

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the furtherance of certain trusts mentioned in conveyances of lots to the City in trust.

The fund amounts to $132.00, and was first established in March 11, 1901.

Deposited in Cambridgeport Savings Bank	$132 00

THE BRIDGE CHARITABLE FUND.

Founded by the late Levi Bridge, of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death (April 15, 1876) the amount of said fund came into the hands of the City. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars one-third of the income was to be added to the principal and two-thirds paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor, the President of the Board of Aldermen, and the President of the Common Council.

Balance in Bank, Nov. 30, 1906	$2,430 82
Receipts from interest on fund	75 45
Balance in Cambridgeport Savings Bank . .	$2,506 27

CITIZENS' SUBSCRIPTION FUND. ($5,500.00.)

In 1889, a committee of citizens raised by subscription a fund to enable the trustees to purchase a large number of books at the time the new public library building was opened. The unexpended balance (fifty-five hundred dollars), was invested and the income is used for the same purpose.

Balance in bank, Nov. 30, 1906	$19 96	
Receipts	242 99	
		$262 95
Expenditures		210 75
Balance on deposit		$52 20
The principal is invested in Cambridge Sewer Bonds		$5,500 00

CUMMINGS LEGACY. ($2,000.00.)

As provided in the will of Daniel P. Cummings, who died May 3, 1889, the sum of two thousand dollars was paid over to the trustees of the Public Library, the annual income to be expended by said trustees in the purchase of non-sectarian books for the Public Library.

Balance on deposit, Nov. 30, 1906 . . .	$2 35	
Receipts	80 00	
		$82 35
Expended		71 20
Balance on deposit		$11 15
The principal is invested in Cambridge Water Bonds		$2,000 00

FAY LEGACY. ($1,000.00.)

In accordance with the provisions of the will of Isaac Fay, who died December 29, 1872, the sum of one thousand dollars was paid to the trustees of the Dana Library (now the Cambridge Public Library) for the time being, "which sum shall be safely invested by said trustees, and the income thereof appropriated to the purchase of books for said Library."

Balance on deposit, Nov. 30, 1906	$2 81	
Receipts	35 00	
		$37 81
Expenditures		24 44
Balance on deposit		13 37
The principal is invested in a Cambridge bond		$1,000 00

WILLIAM E. SAUNDERS FUND. ($7,409.54.)

In accordance with the will of Abigail L. Prentiss, the residue, after the termination of certain annuities, was paid to the Trustees of the Cambridge Public Library, the annual income to be used for the purchase of books to be placed in the William E. Saunders alcove, and for the care of the same. This alcove is assigned to books on genealogy.

Balance on deposit, Nov. 30, 1906	$118 71	
Receipts	258 95	
		$377 66
Expenditures		358 23
		$19 43
Added to principal		13 95
Balance on deposit		$5 48
The principal is invested as follows, viz.:—		
Cambridge Bonds	$7,000 00	
Cambridgeport Savings Bank	409 54	
		$7,409 54

JAMES A. WOOLSON FUND. ($5,000.00.)

By the bequest of James A. Woolson the sum of five thousand dollars was paid to the Trustees of the Cambridge Public Library, the income only to be used for the purchase of books. In each book purchased there is placed an appropriate book-plate.

Balance on deposit, Nov. 30, 1906	$10 70	
Receipts	175 00	
		$185 70
Expenditures		165 16
Balance on deposit		$20 54
The principal is invested in Cambridge Bonds		$5,000 00

SARAH E. RUSSELL FUND. ($814.41.)

As provided in the will of Sarah E. Russell, of Cambridge, who died October 6, 1897, the sum of eight hundred fourteen dollars and forty-one cents was paid to the City by the executors of the will, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse." Mrs. Russell was the widow of Hon. Charles Theodore Russell, and the mother of Hon. William E. Russell, both of whom served the City as Mayor.

Amount of deposit in Cambridgeport Savings Bank . . .	$814 41
Interest paid, as per provision of bequest.	

TAXES.

The amount of taxes assessed by the Board of Assessors on the real and personal estates and polls of Cambridge, for the year 1907, was as follows:—

Valuation of real estate		$89,235,300 00
Valuation of personal estate		17,773,990 00
		$107,009,290 00
Assessed at $18.80 per $1,000 gives		$2,011,774 652
26,064 polls at $2		52,128 000
Bank stock (non-residents separately assessed)		4,267 788
		$2,068,170 440

The tax is divided as follows:—

For City purposes*		$1,665,531 60
County Assessments		108,266 83
Overlay		29,015 772
State Assessments:—		
State charge for non-resident bank stock		4,267 788
State	$122,720 00	
Sewerage	64,323 01	
Parks	51,181 40	
Armory	10,292 04	
Grade Crossings	12,572 00	
		$261,088 45
		$2,068,170 440

Increase in real estate valuation	$632,300 00
Increase in personal valuation	1,223,755 00
	$1,856,055 00
Decrease in number of polls since last year, 370 polls at $2	740 00
Gain in valuation since last year	$1,855,315 00

Number of horses in 1907	14,018 1-5
Number of horses assessed	4,048
Number of cows assessed	145
Number of swine assessed	40
Number of mules assessed	22

*To meet the City expenses the income from various departments is added to this sum raised by taxation.

POLLS AND VALUATION OF POLLS AND ESTATES, MAY 1, 1905.

Wards.	Polls.	Valuation of Polls.	Personal.	Real Estate.	Total Real and Personal	Dwellings.	Total Tax.
One.....	1,912	$3,824 00	$1,250,400	$8,831,900	$10,082,300	800	$195,387 70
Two.....	1,632	3,264 00	348,600	3,077,000	3,425,600	782	68,350 40
Three	2,989	5,978 00	166,200	3,636,700	3,802,900	1,173 1-5	78,233.10
Four.....	3,017	6,034 00	1,583,085	7,177,700	8,760,785	1,358	172,488.915
Five.....	2,395	4,790 00	1,530,750	7,682,600	9,213,350	1,167 1-2	179,843.65
Six.....	3,513	7,026 00	1,082,700	10,592,200	11,674,900	1,601	228,849.10
Seven.....	2,928	5,856 00	1,587,400	7,076,800	8,664,200	1,745	170,475.80
Eight.....	2,371	4,742 00	2,393,300	12,272,500	14,665,800	1,310	283,392 20
Nine.....	1,966	3,932 00	4,470,965	13,953,400	18,424,365	1,449	353,994.935
Ten.....	1,569	3,138 00	1,095,400	7,647,600	8,743,000	1,104	169,255 00
Eleven	2,404	4,808 00	485,300	5,903,100	6,388,400	1,403	126,187.60
Totals.....	26,696	$53,392 00	$15,994,100	$87,851,500	$103,845,600	13,892 7-10	$2,026.458 40

POLLS AND VALUATION OF POLLS AND ESTATES, MAY 1, 1906.

Wards.	Polls.	Valuation of Polls.	Personal	Real Estate.	Total Real and Personal	Dwellings.	Total Tax.
One.....	1,739	$3,478 00	$1,237,480	$8,952,700	$10,190,180	800	$193,015.348
Two	1,504	3,008 00	338,700	3,086,900	3,425 600	784	66,724.16
Three.....	2,893	5,786 00	159.600	3,624,700	3,784,300	1,180	76,173.98
Four.....	2,986	5,972 00	1,673,600	7,206,400	8,880,000	1,349	171,140.00
Five.....	2,508	5,016 00	1,432,495	7,835,500	9,267,995	1,161 1-2	177,400.707
Six.....	3,499	6,998 00	1,260,700	10,892.700	12,153,400	1,610	233,051.24
Seven.....	2,968	5,936 00	1,635,600	7,104,600	8,740,200	1,758	168,503.72
Eight.....	2,372	4,744 00	2,713,300	12,202,200	14,915,500	1,301	282,172.30
Nine.....	1,994	3,988 00	4,523,560	14,096,700	18,620,260	1,467	350,324.836
Ten.....	1,577	3,154 00	1,190,300	7,674,300	8,864,600	1,117	168,035.56
Eleven.....	2,394	4,788 00	384,900	5,926,300	6,311,200	1,410	122,176.32
Totals.....	26,434	$52,868 00	$16,550,235	$88,603,000	$105,153,235	13,937 1-2	$2,008.718.171

POLLS AND VALUATION OF POLLS AND ESTATES, MAY 1, 1907.

Wards.	Polls.	Valuation of Polls.	Personal.	Real Estate.	Total Real and Personal	Dwellings.	Total Tax.
One.....	1,531	$3,062 00	$1,209,220 00	$9,215,700 00	$10,424,920 00	796	$199,050.496
Two.....	1,441	2,882 00	331,500 00	3,126,100 00	3,457,600 00	787	67,884.88
Three.....	2,810	5,620 00	214,000 00	3,593,100 00	3,807,100 00	1,177 1-5	77,193.48
Four.....	3,004	6,008 00	1,569,500 00	7,255,900 00	8,825,400 00	1,346	171,925.52
Five.....	2,420	4,840 00	1,544,650 00	7,863,400 00	9,408,050 00	1,182	181,711.34
Six.....	3,651	7,302 00	1,386,300 00	11,106,700 00	12,493,000 00	1,619	242,170.40
Seven.....	2 901	5,802 00	1,707,300 00	7,074,200 00	8,781,500 00	1,753	170,894.20
Eight.....	2,364	4,728 00	2,880,700 00	12,248.400 00	15,129,100 00	1,343	289,155.08
Nine.....	1,988	3,976 00	5,041,220 00	14,109,700 00	19,150,920 00	1,470	364,013.296
Ten.....	1,620	3,240 00	1,495,000 00	7,693,400 00	9,188,400 00	1,133	175,981.92
Eleven.....	2,334	4,668 00	394,600 00	5,948,700 00	6,343,300 00	1,412	123,922.04
Totals.....	26,064	$52,128 00	$17,773,990 00	$89,235,300 00	$107,009,290 00	14,018 1-5	$2,063.902.652

Statement of the valuations of the personal property and real estate of the City of Cambridge, with the number of polls, dwellings, and rate of taxation for the past eighteen years:—

Year.	Polls.	Personal.	Real Estate.	Total.	Dwellings.	Rate per $1,000.
1890	19,221¾	$15,339,925	$52,235,000	$67,574,925	10,615	$15 60
1891	20,731¼	16,508,770	54,167,914	70,676,684	10,932	15 50
1892	22,013¼	17,687,595	56,668,100	74,355,695	11,359	15 00
1893	22,752	17,511,089	58,782,900	76,293,989	11,768	16 40
1894	22,172	16,658,320	60,877,300	77,535,620	12,262	15 80
1895	22,781	16,607,360	64,303,700	80,911,060	12,305	15 70
1896	23,847	15,914,995	67,835,100	83,750,095	12,723	15 10
1897	24,407	16,302,545	70,339,200	86,641,745	13,217	17 50
1898	24,628	16,642,990	72,908,100	89,551,090	13,473	16 40
1899	24,995	16,991,995	74,550,800	91,542,795	13,588	17 10
1900	25,117	17,865,230	76,600,700	94,465,930	13,713	16 90
1901	25,306	17,648,575	78,568,300	96,216,875	13,846½	16 90
1902	25,680	17,742,985	80,396,900	98,139,885	13,889 2-3	18 30
1903	25,749	17,708,510	87,063,400	104,771,910	13,833	16 90
1904	25,968	17,346,500	87,481,100	104,827,600	13,858	17 90
1905	26,696	15,994,100	87,851,500	103,845,600	13,893	19 00
1906	26,434	16,550,235	88,603,000	105,153,235	13,937½	18 60
1907	26,064	17,773,990	89,235,300	107,009,290	14,018 1-5	18 80

Abatements upon taxes for the past eighteen years, and amount of tax uncollected December 1, 1907:—

Year.	Total Tax.	Total Abatements.	Amount of Tax uncollected December 1, 1907.
1890	$1,099,741 38	$20,966 82	.....
1891	1,143,712 67	21,343 12	.....
1892	1,240,186 50	21,636 54	.....
1893	1,303,639 84	24,678 10	.....
1894	1,278,899 72	26,926 07	.....
1895	1,324,613 76	19,427 40	.....
1896	1,321,932 65	17,922 54	.....
1897	1,574,047 50	22,081 73	.....
1898	1,527,863 88	27,566 98	.....
1899	1,623,592 35	35,317 61	.....
1900	1,654,588 36	33,005 90	.....
1901	1,683,690 84	24,390 38	.....
1902	1,854,557 82	30,013 44	.....
1903	1,828,456 95	41,525 33	$19,616 67
1904	1,934,772 56	50,088 47	19,746 98
1905	2,031,457 20	48,886 73	21,897 01
1906	2,012,805 80	61,528 79	29,584 28
1907	2,068,170 44	63,352 34	484,724 20

ABATEMENT CERTIFICATES ALLOWED BY BOARD OF ASSESSORS.

	Real.	Personal.	Polls.	Total.
Taxes of 1902		$16 47		$16 47
" " 1903		5 07	$6 00	11 07
" " 1904		30 43	36 00	66 43
" " 1905	$324 90	104 50	92 00	521 40
" " 1906	13,469 20	4,489 62	276 00	18,234 82
" " 1907	21,083 45	16,848 54	434 00	38,365 99
Street Watering				100 04
Moth Assessment				129 23
	$34,877 55	$21,494 63	$844 00	$57,445 45

The valuation of estates in this City, for the years hereinbefore mentioned, are the same as originally made by the Board of Assessors during those years and the same figures were reported by that Board to the Tax Commissioners for each of the years respectively. These valuations were subject to changes in each year, after such report was made, as shown by the following:—

Net valuations of estates in the City of Cambridge, for the past three years, after adding the amounts of all supplementary warrants and deducting therefrom all abatements:—

Year.	Total Valuation.	Abatements.	Net Valuation.
1905	$103,953,127	$2,279,108	$101,674,019
1906	105,411,735	2,656,050	102,755,685
1907	107,019,690	2,017,659	105,002,031
	$316,384,552	$6,952,817	$309,431,735

BORROWING CAPACITY.

The average net valuation of the City of Cambridge for the years 1905, 1906 and 1907 .			$103,143,911
This last sum represents the amount upon which the limit of the rate of taxation, and also of municipal indebtedness is fixed under the provisions of Chapter 312 of the Acts of the year 1885.			
2½ per cent. on same is			$2,578,597 77
The entire City Debt is		$6,896,350 00	
Of this amount the following loans are not within the legal debt limit, being exempted by the following Acts of the Legislature:—			
Cambridge Bridge Loan.			
Acts of 1898, Chapter 467 . .	$1,555,000 00		
Brookline Bridge Approach.			
Acts of 1898, Chapter 467 Acts of 1904, Chapter 391 .	25,000 00		
Commercial Avenue Bridge.			
Acts of 1903, Chapter 372 .	50,000 00		
Cambridge Bridge Special Loan. Charles River Dam			
Acts of 1904, Chapter 158 . .	28,000 00		
Clay Land Loan.			
Acts of 1896, Chapter 175 . .	97,000 00		
Harvard Bridge Loan.			
Acts of 1887, Chapter 282 Acts of 1888, Chapter 73 Acts of 1891, Chapter 316 .	400,000 00		
Park Loan.			
Acts of 1892, Chapter 341 Acts of 1893, Chapter 337 Acts of 1894, Chapter 89 Acts of 1897, Chapter 469 Acts of 1899, Chapter 221 .	1,519,000 00		
Sewer Loan.			
Acts of 1899, Chapter 473 Acts of 1899, Chapter 189 .	399,000 00		
Acts of 1903, Chapter 383 .	135,000 00		
Hospital Loan.			
Acts of 1895, Chapter 99 . .	6,000 00		
Metropolitan Park Assessment Loan.			
Acts of 1902, Chapter 325 .	46,000 00		
		$4,260,000 00	
		$2,636,350 00	
The entire Sinking Fund is .	$1,185,830 36		
Of this amount there should be deducted on account of Exempted Loans as follows:—			
Cambridge Bridge .	$76,135 45		
Harvard Bridge . .	207,706 20		
Brookline Bridge .	333 33		
Commercial Avenue Bridge . .	666 67		
Am'ts carried forward	$284,841 65	$1,185,830 36	$2,636,350 00 $2,578,597 77

Am'ts brought forward	$284,841 65	$1,185,830 36	$2,636,350 00	$2,578,597 77
Parks . . .	276,728 30			
Clay Lands . .	60,019 15			
Improved Sewerage .	52,565 51			
Hospital . . .	1,195 07			
Metropolitan Park Assessment . .	5,375 25			
Cambridge Bridge Special . . .	1,904 41			
Separate System of Drainage . .	2,816 98			
		$685,446 32		
Net Sinking Fund . . .			$500,384 04	
Net City Debt December 1, 1907				2,135,965 96
Borrowing capacity for City purposes, December 1, 1907 . .				$442,631 81

ACTS OF 1885, CHAPTER 312.

"AN ACT TO LIMIT MUNICIPAL DEBT OF AND THE RATE OF TAXATION IN CITIES.

"Be it enacted, etc., as follows:—

"SECTION 1. The taxes assessed on property in any city, except the City of Boston, exclusive of State Tax, County Tax and sums required by law to be raised on account of the City Debt, shall not exceed in any year twelve dollars on every one thousand dollars of the average of the assessors' valuations of the taxable property therein for the preceding three years, the valuation being first reduced by the amount of all abatements allowed thereon, previous to the thirty-first day of December in the year preceding said assessment, and any order or appropriation requiring a larger assessment than is herein limited shall be void.

"SECT. 2. The limit of indebtedness of cities shall hereafter be two and one-half per cent. on the average valuation prescribed in Section one of this act."

TAX LEVY.

Average net valuation for 1905, 1906 and 1907	$103,143,911
Assessed at $12 per $1,000 gives	1,237,726

Which is the legal limit of taxation for municipal purposes for 1908, outside of the Sinking Fund requirements, Interest on the Debt and State and County Tax, unless advantage is taken of the following Legislative Act of 1893:—

ACTS OF 1893, CHAPTER 247.

"AN ACT AUTHORIZING ASSESSORS IN CITIES OF LESS THAN ONE HUNDRED THOUSAND INHABITANTS TO USE THE VALUATION OF THE YEAR PRECEDING AS A BASIS OF TAXATION.

"Be it enacted, etc., as follows:—

"SECTION 1. In every city containing less than one hundred thousand inhabitants, the taxes assessed on property, exclusive of State Tax, County Tax and sums required by law to be raised on account of City Debt, shall not exceed in any year twelve dollars on every one thousand dollars of the assessors' valuation of the taxable property therein for the preceding year, said valuation being first reduced by the amount of all abatements allowed thereon previous to the thirty-first day of December in the year preceding

said assessment, and any order or appropriation requiring a larger assessment than is herein limited shall be void; but the City Council of any city coming within the provisions of this Act, may in any year decide that the taxes assessed shall be raised in accordance with the provisions of Section one of Chapter three hundred and twelve of the Acts of the year eighteen hundred and eighty-five."

In which case the net valuation for 1907 being . . .	$105,002,031
Assessed at $12 per $1,000 gives	1,260,024

EXPENDED FOR SALARIES, CLERICAL ASSISTANCE AND LABOR.

NAME OF DEPARTMENT.	1900	1901	1902	1903	1904	1905	1906	1907
Assessors' Department	$12,363 87	$12,775 83	$12,170 95	$12,307 19	$13,249 95	$13,244 88	$13,499 59	$13,749 99
Auditing	3,145 00	3,154 38	3,273 65	3,746 72	3,878 75	3,812 50	3,900 00	4,000 00
Board of Survey	.....	83 33	33 33	75 00	75 00	75 00	75 00	75 00
Boston Bridges	8,757 94	9,659 16	10,002 76	10,438 49	10,651 52	9,873 78	8,691 43	7,968 12
Brookline Bridge Approach	.....	.....	.....	.....	.....	.....	.....	24 63
Cambridge Bridge	8,124 01	11,789 12	12,423 70	13,321 38	13,180 24	11,977 04	10,333 00	10,955 32
Cambridge Bridge Approach	.....	.....	.....	.....	.....	16,045 77	8,542 50	898 64
Commercial Avenue Bridge	.....	.....	.....	.....	.....	.....	.....	168 95
Cemetery Department	14,921 78	15,650 67	15,008 22	13,973 92	14,901 60	15,692 91	16,554 60	16,397 28
City Clerk's Department	6,269 91	6,298 50	6,007 06	5,995 25	6,331 45	6,526 69	6,739 14	6,852 67
City Council Expenses	583 30	600 00	600 00	600 00	600 00	600 00	600 00	600 00
City Messenger's Department	2,200 67	2,303 33	1,733 31	1,372 00	1,559 31	1,780 00	1,836 00	2,009 47
Civil Service Department	200 00	200 00	200 00	200 00	200 00	200 00	299 97	300 00
Clerk of Committees' Department	3,600 00	3,600 00	3,600 00	3,362 94	3,333 00	3,300 00	3,434 25	3,704 10
Election Expenses, City Clerk.	3,459 50	3,721 75	3,482 75	3,401 64	6,185 50	5,302 20	6,064 34	6,811 71
" " Registrars of Voters	2,391 20	2,478 75	2,582 00	1,957 64	3,062 50	2,943 30	3,162 16	3,030 17
Electrical Department. Street Lighting	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000,00	1,000 00	1,000 00
Electrical Department, Wire Account	7,455 52	7,104 07	7,079 50	6,494 41	7,622 00	8,103 00	8,722 25	8,909 00
Engineering Department	10,002 80	9,869 02	9,251 96	9,154 66	8,719,57	8,285 94	8,764 35	8,682 84
Assessors' Plans	278 18	300 00	229 35	176 62	267 62	298 79	251 40	275 83
Executive Department	4,797 50	4,860 17	4,864 00	5,362 08	5,480 00	5,490 00	5,485 00	5,480 00
Fire Department	74,637 89	76,189 49	77,554 51	78,425 98	78,462 67	88,498 13	95,457 05	101,244 16
Health Department	9,641 53	9,552 50	11,944 78	11,956 85	12,506 79	12,630 00	12,873 69	12,936 04
Diphtheria Hospital	3,947 61	7,644 02	6,298 84	5,425 11	5,316 36	5,483 57	5,456 43	5,456 44
Small-pox Hospital	.....	.....	7,678 25	1,673 51	784 27	782 13	259 29	.....
Inspector of Milk and Vinegar	1,320 00	1,320 00	1,343 31	1,334 65	1,363 50	1,570 66	1,738 84	1,714 16
Inspector of Animals	700 00	700 00	700 00	700 00	700 00	700 00	700 00	700 00
Law Department	4,106 00	4,067 20	4,347 50	4,295 00	4,095 15	4,225 96	4,259 00	4,124 00
Overseers of the Poor:—								
City Home	7,352 73	8,131 53	7,466 77	7,285 91	7,293 11	7,736 76	7,738 88	7,034 62
City Home Hospital	.....	.....	.....	.....	.....	420 25	953 83	938 42
Farm	3,921 60	4,341 90	4,574 23	4,212 55	4,157 25	4,102 78	3,999 85	3,980 78
House Offal	21,927 15	22,926 39	23,179 50	24,169 50	24,511 64	26,936 62	26,775 00	28,320 45
Outside Aid	4,152 17	4,149 16	3,684 25	3,178 78	2,755 00	2,748 75	2,742 50	3,560 00
City Physician	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00
Park Department	37,863 92	35,248 58	38,341 81	35,431 71	35,207 32	61,013 91	42,698 52	35,467 71
Police Department	118,049 77	122,353 52	125,336 19	128,574 59	136,285 36	145,917 52	149,107 37	158,949 88

Public Library	8,959 32	9,107 45	9,544 01	9,317 23	8,943 08	9,699 08	10,584 75	11,099 41
East Cambridge Branch	779 00	824 81	927 66	850 69	756 64	849 60	891 30	961 30
North Cambridge Branch	.....	.....	.....	.....	.....	.....	321 46	1,089 45
Public Property:—								
City Buildings	10,214 80	10,478 01	10,699 90	8,727 46	8,871 67	9,255 59	9,895 98	10,908 68
Inspector of Buildings	4,443 15	5,012 20	5,500 00	5,400 96	5,819 25	6,031 00	6,170 75	6,271 00
School Houses	32,981 84	34,226 45	33,881 88	34,999 25	36,739 11	37,459 55	40,497 75	42,917 44
School Department, Salaries of Teachers and Officers	333,191 34	341,684 05	349,986 25	357,291 30	365,035 39	376,264 39	389,048 52	394,999 00
Vacation Schools	1,626 00	1,563 00	865 00	.....	1,836 67	1,495 00	.....	1,526 80
Incidentals	425 00	425 00	425 00	425 00	425 00	425 00	425 00	425 00
Sealer of Weights and Measures	1,347 12	1,404 89	1,787 25	1,849 62	1,832 50	2,063 18	2,262 52	2,271 54
Sewer Department	59,292 35	59,858 30	54,920 53	61,583 97	78,151 65	79,478 53	62,465 03	55,703 41
Sinking Fund Officials	325 00	325 00	325 00	325 00	325 00	325 00	325 00	325 00
State Aid	900 00	1,099 99	1,100 01	633 97	530 50	500 00	500 00	500 00
Street Department	130,586 19	144,406 79	145,189 69	138,071 32	173,721 44	171,780 29	179,382 11	186,781 08
Street Sprinkling Contracts	21,265 65	21,858 10	24,299 68	19,011 38	23,353 55	23,742 15	23,536 98	25,760 27
Treasury Department	10,542 26	10,483 76	10,359 33	9,949 00	10,195 63	10,762 52	10,699 01	10,699 82
Water Department	49,918 97	59,487 51	56,076 11	47,428 09	57,737 02	199,401 28	247,529 98	38,129 19
	$1,045,469 54	$1,095,817 68	$1,113,379 78	$1,096,968 32	$1,189,510 53	$1,408,351 00	$1,448,751 37	$1,258,188 77

COMPARATIVE STATEMENT BY DECADES FROM 1855 TO 1905.

	1855	1865	1875	1885	1895	1905
Population...	20,637	29,112	47,838	59,660	81,643	97,426
Valuation....	$15,437,100 00	$26,085,909 00	$66,623,014 00	$55,346,555 00	$80,911,060 00	$103,845,000 00
City Tax.....	100,604 53	267,708 60	1,060,396 52	804,800 00	1,103,455 30	1,973,066 40
County Tax..	10,137 78	18,280 99	37,580 73	29,381 54	73,887 84	106,119 75
State Tax.....	5,190 00	118,487 00	58,880 00	44,835 00	46,800 00	129,240 00
Tax rate per $1,000.....	7 10	15 00	17 00	15 50	15 70	19 00
Total expenditures.....	173,533 58	536,911 82	2,605,267 74	2,354,298 69	3,686,702 54	4,357,233 07
City Debt....	146,600 00	833,092 00	4,106,843 21	2,361,396 50	3,913,634 23	6,178,850 00
Expenditures by Depts.:—						
Bridges.....	890 31	9,007 77	39,068 39	11,829 77	16,297 33	21,756 47
Cemeteries.	6,553 67	16,742 29	19,438 66	80,399 22	16,999 40	17,992 08
Fire Dept...	9,623 70	21,958 74	89,949 99	59,341 15	104,898 59	114,498 01
Lighting Sts	2,987 32	9,062 24	20,919 04	32,269 07	69,926 61	78,578 77
Pauper Dept	8,520 41	21,481 52	79,719 54	56,338 24	100,841 33	78,594 95
Police Dept.	4,499 56	22,833 14	71,093 35	78,357 73	110,784 22	152,417 52
Public Lib'y	.....	1,111 77	6,040 04	6,643 51	21,034 83	22,577 77
Schools.....	32,169 16	81,842 47	258,985 15	227,511 77	362,353 79	493,064 59
Sewers.....	4,610 68	3,683 07	135,432 28	40,945 40	149,459 89	205,509 77
Streets	14,554 73	35,638 38	155,476 90	148,088 65	252,154 62	333,850 13
Water W'ks	.....	20,327 79	234,431 03	485,691 04	758,054 81	616,069 77

SCHEDULE B

No. IX

LIST OF CITY PROPERTY

AS FURNISHED BY

EXECUTIVE BOARDS AND HEADS OF DEPARTMENTS

IN

1907

LAW DEPARTMENT.

Two roll top desks	$40 00	
Two chairs	5 00	
Two revolving book shelves	10 00	
One filing cabinet	10 00	
One Caligraph typewriter	15 00	
A few law books and stationery	25 00	
One Smith Premier typewriter	95 00	
		$200 00

PUBLIC PROPERTY DEPARTMENT.

CITY BUILDINGS.

	Feet of Land.	Purchase of Land.	Erection of Buildings.	Valuation of Land.	Valuation of Buildings.	Valuation of Furniture.
City Hall	47,878	1888	1888	$72,000	$200,800	$29,800
Brattle Sq. Bldg.	16,153	1873	1874	16,000	62,000	2,500
Central Sq. Bldg.	13,028	1872	1873	10,500	50,000	2,436
Station 3	4,220	1862	1870	2,100	20,000	800
Station 4	6,316	1872	1873	3,700	14,300	300
				$104,300	$347,100	$35,836

Voting booth, corner Cambridge and Hampshire Streets	$500 00	
Four portable voting booths	2,000 00	
Voting compartments and fixtures (500)	2,500 00	
		$5,000 00

OLD MATERIAL IN STOREHOUSE.

Plumbers' materials	$100 00	
Old doors	10 00	
Davidson steam pump (at R. M. T. S.)	100 00	
Desks, chairs and irons	500 00	
		$710 00

PERSONAL PROPERTY.

1 horse	$250 00	
3 robes	32 00	
1 wagon	100 00	
Top buggy	150 00	
Sleigh	35 00	
		$567 00

POLICE DEPARTMENT.

PERSONAL PROPERTY.

150 badges	$100 00	2 straps and weight	1 00
150 belts	143 75	2 bureaus	3 00
150 short billies	62 50	75 chairs	95 00
10 bedsteads	50 00	200 copies police rules	75 00

	Bedding and blankets	50 00	4	horses	400 00
1	couch	10 00	5	harnesses	150 00
5	clocks	25 00	4	halters	1 00
1	hat rack	3 00	1	telephone line	300 00
14	ink stands	7 00	3	thermometers	2 00
30	lanterns	15 00	40	tin dippers	8 00
8	mirrors	16 00	1	typewriter and desk	140 00
3	maps	15 00	2	umbrella stands	2 00
10	rugs	30 00	1	wagon van (old)	25 00
12	pairs handcuffs	36 00	8	waste baskets	3 00
1	police van	200 00	4	water coolers	20 00
3	signal systems	10,000 00		Operating table and chair	37 50
4	bicycles	75 00	3	medicine cabinets	75 00
1	patrol wagon (old)	50 00	2	wardrobes	15 00
3	patrol wagons	1,000 00	2	wagon jacks	2 00
135	revolvers	480 00			
1	rogues' gallery	150 00			$14,269 75
2	safes	100 00	1	ambulance	200 00
8	spittoons	2 00			
1	sleigh	25 00			$14,469 75
14	desks	260 00			
1	easy chair "Matron's"	10 00			

FIRE DEPARTMENT.

REAL ESTATE.

Buildings.	Location.	Land Purchased.	Erection of Buildings.	Land, Sq. Feet.	Assessed Value.	
					Land.	Building.
Engine House No. 1 Ladder House No. 1	108 Mt. Auburn St. Eliot Square			In City	building	schedule
Engine House No. 2 Ladder House No. 3	384-394 Mass. Av.	Owned by City.	1893	10,000	$8,000	$26,000
Engine House No. 3	35 Third St.	1895	1895	10,100	5,500	17,500
Engine House No. 4	2029 Mass. Av.	1896	1896	9,532	6,000	23,000
Engine House No. 5	Inman Square	1874	1874	6,000	5,000	10,000
Engine House No. 6	176 River St.	1890	1890-1891	4 994	2,500	12,000
Engine House No. 7	350 Main St.	Owned by City.	1894-1895	9,400	7,300	12,000
Chemical Engine House No. 1	5 Western Ave.			In City	building	schedule
Chemical Engine House No. 2	167 Lexington Ave,	1893	1894	15,262	4,000	16,000
Ladder House No. 2	276 Portland St.	Owned by City.	1887	11,931	3,000	12,000
Engine House No. 8	Junction of Sherman and Garden St.	1903	1904-1905	10,380	2,500	30,000
					$43,800	$158,500

PERSONAL PROPERTY.

ESTIMATED VALUE OF.

Apparatus, hose, etc.	$66,100 00	
Bedding and furniture	4,705 00	
Hardware and tools	775 00	
Horses and harnesses	12,180 00	
Miscellaneous	1,100 00	
		$84,860 00

FIRE ALARM AND POLICE TELEGRAPH.

ELECTRICAL DEPARTMENT, WIRE ACCOUNT.

Equipment.

Fire Alarm apparatus and machinery	$11,300 00	
Fire Alarm and Police Telegraph Circuits	5,500 00	
106 Fire Alarm boxes	7,680 00	
Police Signal apparatus and machinery	3,000 00	
80 Police boxes	8,000 00	
Police Signal reserve apparatus	150 00	
Testing instruments	450 00	
Tools	250 00	
Stock on hand	800 00	
Old and disused apparatus	250 00	
Horses, wagons and harnesses	650 00	
Building in Cushing School yard	400 00	
		$38,430 00

HEALTH DEPARTMENT.

REAL ESTATE.

Number.	Street.	Houses.	Sheds.	Value of Buildings.	Value of Land.	Total Value.	Area sq. feet.	Remarks.
59	Reservoir	1	....	$3,600	$8,300	$11,900	16,624	Taken by Board of Health, Nov. 2, 1899
47	New.....	....	....	.....	600	600	10,800	" " " " " Nov. 21, 1901
51	New.....	....	....	.....	900	900	13,980	" " " " " Oct. 25, 1901 Mch. 24, 1902
67	New.....	....	....	.....	300	300	6,140	" " " " " Feb. 8, and Mch. 24, 1902
				$3,600	$10,100	$13,700		

PERSONAL PROPERTY.

Laboratory furnishings		$268 00
Office furniture:—		
3 desks	$115 00	
1 revolving bookcase	10 00	
4 cabinets	19 00	
12 letter files	6 00	
Desk and office chair	53 50	
		203 50
Dictionary		5 00
Stationery and sundries		20 00
Typewriter		100 00
3 atlases		50 00
Horse		165 00
1 ambulance		585 00
Amount carried forward		$1,396 50

Amount brought forward . .	$1,396 50	
1 Beverly wagon	175 00	
1 van	100 00	
3 sets of harness . . .	125 00	
Blankets and horse covers .	20 00	
16 disinfectant lamps . . .	100 00	
		$1,916 50
At Diphtheria Hospital:—		
Medical and surgical supplies .	$203 57	
Furnishings and general supplies	953 18	
		$1,156 75
Total		$3,073 25

INSPECTOR OF MILK AND VINEGAR DEPARTMENT.

PERSONAL PROPERTY.

16 platinum dishes		$286 72	
1 cream seal		7 50	
1 drying oven		6 00	
1 Zeiss Refractometer		75 00	
Chemicals and glassware		25 00	
Water bath		22 00	
Electric Centrifuge		88 00	
Polariscope		55 00	
Analytical balance and weights		60 00	
Muffle furnace		5 00	
Busner stand		15 00	
Office furniture		50 00	
Discarded apparatus		20 00	
1 high-speed Centrifuge		43 50	
1 autoclave and fittings		115 00	
1 milk collecting outfit		15 00	
Apparatus for plating bacteria:—			
6 tube holders	$6 00		
1 bath for melting agar . .	2 00		
1 bath, water jacketed for melting agar	5 00		
2 racks for test tubes . .	3 00		
2 Petri dish holders . . .	2 00		
		18 00	
Petri dishes and glassware:—			
12 doz. pipettes . . .	$10 00		
6 doz. Petri dishes . . .	6 50		
6 doz. Petri covers . . .	3 50		
Counting glass . . .	1 00		
		21 00	
Immersion Refractometer . .		100 00	
			$997 72

THE MODIFIED MILK ENTERPRISE.

9 stock pots	$19 52	
30 galvanized iron racks	97 73	
28 wooden cases	20 59	
5 baby-scales	10 85	
2 gas stoves	4 50	
3 boilers	13 50	
1 bottle filler	26 85	
7 tables	7 00	
Stoppers and bottles	86 40	
Index cards	3 00	
1,000 pamphlets	16 45	
Signs	10 00	
Barrel	1 75	
		$318 14

CAMBRIDGE CEMETERY.

37.64 acres of land	$60,000 00	
One house	2,500 00	
Personal property	3,257 65	
Total		$65,757 65

SEALER OF WEIGHTS AND MEASURES DEPARTMENT.

INVENTORY OF PROPERTY.

STANDARDS FURNISHED BY COMMONWEALTH.

1 balance, 5 grains to 100 lbs.
1 set (5) avoirdupois weights, 50, 25, 20, 10, 5 lbs.
1 set (11) avoirdupois weights, 4 lbs. to 1-16 oz.
1 kilogramme in case.
1 steel meter in case.
1 brass yard measure.
1 set (5) iron dry measures, 1-2 bushel to 1 quart.
1 set (6) iron liquid measures, 1 gallon to 1 gill.

Office furniture	$200 00	
1 horse	200 00	
1 express wagon	100 00	
1 light wagon	75 00	
1 pung	23 00	
2 harnesses	70 00	
1 plush robe	1 00	
1 stable blanket	2 00	
1 rain blanket	2 00	
1 woolen blanket	5 00	
1 halter	75	
1 hitch weight	50	
1 wagon scale at Lechmere Square	400 00	
1 wagon scale at Union Square	350 00	
Amount carried forward	$1,429 25	

Amount brought forward	$1,429 25	
1 platform scale, 1-2 lb. to 2,500 lbs. . . .	75 00	
1 folding platform scale, 1-4 lb. to 600 lbs. . .	30 00	
1 spring scale, 1 lb. to 125 lbs.	1 00	
1 balance, 1-10 milligramme to 500 grammes .	35 00	
1 balance, 1-50 grain to 8 oz.	15 00	
1 sealers' balance, 1 grain to 8 lbs. . . .	50 00	
2 sealers' trip scales (not used)	5 00	
2 sets avoirdupois weights (19), 4 lbs. to 1-8 oz. .	10 00	
1 set troy weights (9), 16 oz. to 1-8 oz. . .	3 00	
1 set metric weights (13), 1 kilo to 1 gramme .	5 00	
5 boxes miscellaneous weights (not standardized)	10 00	
1 set iron weights (3), 25, 10, 5 lbs. . . .	5 00	
40 50-lb. weights	100 00	
3 glass graduates	1 00	
1 set copper dry measures (5), ½ bushel to 1 quart	45 00	
1 set brass dry measures (3), 1 quart to ½ pint	5 00	
2 sets copper liquid measures (14), 1 gallon to 1 gill	30 00	
1 steel surveyor's tape	10 00	
1 iron truck	5 00	
Miscellaneous tools	50 00	
1 branding furnace	5 00	
1 set brands	3 00	
2 sets weights of precision	27 00	
1-5 gallon measure	15 00	
Inside caliper	3 00	
1 yard measure	1 50	
		$1,973 75

CITY HOME ESTATE.

Thirty-two (32) acres land bought Aug. 7, 1849.

Present City Home completed and placed under the care of the Overseers of the Poor, April 3, 1851.

Land cost	$12,000 00	
City Home cost	32,970 69	
Fences, furniture, etc., cost . . .	3,000 00	
Total		$47,970 69
Hospital cottage on City Home grounds built in 1886, moved and rebuilt in 1901, cost		2,800 00
Two-story brick building erected 1888 cost		5,600 00

Land situated in Cambridge . .	14 242-1,000	acres
" " " Somerville . .	7 954-1,000	"
" " " Arlington . .	100-1,000	"
Lands (salable) on plan of April 10, 1884:—		
30 lots of 5,000 feet each (in Somerville)	3 443-1,000	"
Total acres of land . .	25 739-1,000	"

About seven acres of City Home land lying south of Broadway in West Somerville have been sold for house lots. The remaining lots (30) contain 150,000 square feet, and have been held at a valuation of four cents per square foot, but at the present time are assessed for about ten cents.

The valuation of the City Home real estate by the assessors is:—

Land in Cambridge	$21,000 00	
Buildings in Cambridge	25,000 00	
Land in Somerville	32,200 00	
Balance in Somerville	3,200 00	
Land in Arlington	300 00	
Total		$81,700 00

INVENTORY

of personal property at City Home, December 1, 1907:—

Book-keeping account books, stationery, etc.	$100 00	
Drugs, medicines and hospital supplies	300 00	
Dry goods, clothing, bedding, etc.	4,000 00	
Farm and stable: 2 horses, 51 pigs, 150 fowls, tools, 5 harnesses, 5 wagons, fertilizers, produce, 3 carriages, 2 sleighs, etc.	4,400 00	
Fuel	500 00	
House supplies, furniture, carpets, etc.	2,750 00	
Offal Dept.: 20 wagons, 20 pungs, 23 horses, 20 harnesses, etc.	6,600 00	
Outside aid: 2 delivery wagons, groceries, etc.	450 00	
Provisions: groceries and spices	200 00	
		$19,300 00

INVENTORY

of personal property at Overseer's office, Central Square Building, December 1, 1907:—

Office furniture, filing cases, book-cases, typewriter, books, stationery, etc.	$620 00	
City Physician's office: instruments, microscope, operating table, furniture, medicine, etc.	425 00	
Coal Shed on Norfolk Street	400 00	
Ten tons stove coal	50 00	
		$1,495 00

ENGINEERING DEPARTMENT.

PERSONAL PROPERTY.

6 books, at $3 each	$18 00	
7 volumes engineering papers, at $5	35 00	
5 logarithm books, at $1 each	5 00	
1 pantograph	10 00	
2 planimeters, at $20	40 00	
1 neostyle	5 00	
2 numbering machines, at $5 each	10 00	
1 typewriter	75 00	
Drawing instruments, pens, compasses, etc.	100 00	
Drawing materials and paper	25 00	
Wye level	50 00	
Dumpy level ($40), Hand level ($5)	45 00	
2 transits, at $100 each	200 00	
Level, line and sounding rods	45 00	
7 tapes	50 00	
Testing pans, moulds, etc.	10 00	
Testing machinery	50 00	
Electric motor	10 00	
Furniture in office	300 00	
Photographic outfit	50 00	
Rain gauges, standard and self recording	75 00	
10,280 plans, estimated value, $10 each	102,800 00	
		$104,008 00

SEWER DEPARTMENT.

REAL ESTATE.

Location	Buildings.	Erection of Buildings.	Purchase of Land.	Feet of Land.	Assessors' Valuation of Land.	Assessors' Valuation of Buildings.	Total.
Pilgrim Street	Stable...	1887					
" "	Sheds ...	1881 1884 1892					
" "	House...	1890	1868	23,707	$5,900 00	$5,600 00	$11,500 0

SEWERS.

135,770 miles of sewers, which have cost to construct . . $2,058.499 48

PERSONAL PROPERTY.

1 buggy	$100 00	
4 carts, steel, sanitary	800 00	
1 cart, sanitary	50 00	
2 carts, tip	100 00	
10 clocks, register	100 00	
1 dray	50 00	
1 derrick, 4-leg	10 00	
1 engine, hoisting	100 00	
10 harnesses, sets of, and horse clothing	176 00	
5 horses	500 00	
2 patterns	10 00	
Pile driver and hammers	100 00	
4 pumps—1 steam and 3 hand	125 00	
1 roller, horse, street	100 00	
Rubber goods, miscellaneous	250 00	
1 sewer cleaning machine, "Healy"	500 00	
3 sleighs	140 00	
Stock on hand—brick, castings, lumber and pipe	400 00	
Tools and implements, miscellaneous	2,400 00	
Tool-houses, etc.	150 00	
1 Trench machine, "Carson"	1,000 00	
1 wagon, canopy top	100 00	
1 wagon	125 00	
		$7,386 00

STREET DEPARTMENT.

INVENTORY OF REAL AND PERSONAL PROPERTY.

REAL ESTATE.

Location.	Buildings.	Erection of Buildings.	Purchase of Land.	Feet of Land.	Valuation of Land.	Valuation of Buildings.
Raymond St....	City Yard and Stable, stable, sheds, scales, etc.....	1897	1896	272,670	$27,000	$27,000
Hampshire St...	City Stable, sheds and scales, including old police station.....	1885	.....	72,661	30,000	16,000
E. S. Norfolk St.	Yard and pound.....	.....	.....	39,600	12,000	.....
River St.....	Yard and wharf.....	.....	.....	41,546	17,000	.....
Acton, Mass....	Land, gravel bank....	.....	1896	.....	7,000	.....
Main St.....	Land.....	.....	.....	74,224	22,300	.....
					$115,300	$43,000

PERSONAL PROPERTY.

67 horses	$8,450 00	
53 watering carts	13,200 00	
48 single and double carts	4,200 00	
98 sets harnesses	2,450 00	
Miscellaneous buggies, sleighs, pungs, plows, wagons, etc.	2,500 00	
3 bicycles	90 00	
5 steam rollers	10,500 00	
1 two-horse section roller	125 00	
Miscellaneous tools, road machines, pick-up sweepers, scrapers, brooms, waste barrels, push carts, etc.	8,200 00	
Stone crushing plant, Raymond street yard	5,500 00	
Stone crushing plant, Hampshire street yard	6,000 00	
8 Shadbolt ash carts	2,500 00	
2 Watson carts	350 00	
Miscellaneous lumber, iron, oils, etc.	1,500 00	
200 feet straight edgestone	110 00	
63 feet circle edgestone	34 65	
30,000 granite paving blocks, seconds	750 00	
3,000 sidewalk bricks	38 10	
450 tons field stone	337 50	
13 tons coal	61 20	
2,500 vitrified bricks	75 63	
99 feet granite flagging	69 30	
1,200 No. 1 granite blocks	90 00	
		$67,131 38

ELECTRICAL DEPARTMENT.

STREET LIGHTING.

EQUIPMENT.

361 lamp posts	$3,610 00	
Office furniture	275 00	
Stock on hand (old and disused)	185 00	
Horse, carriage and harness	300 00	
		$4,370 00

BRIDGE DEPARTMENT.

PERSONAL PROPERTY.

CAMBRIDGE AND BOSTON BRIDGES.

Harvard Bridge	$750 00	
Prison Point Bridge	940 00	
River Street Bridge	500 00	
North Harvard Bridge	40 00	
Western Avenue Bridge	60 00	
		$2,290 00

WATER WORKS.

Streets.	Buildings.	Date of Purchase.	Feet or Acres of Land.	Valuation of Land.	Valuation of Buildings.	Valuation of Personal
Adams place		1890	160,597	$1,400		
"		1890	419,222	10,000		
S. S. Auburn	1 house & sheds				$4,000	
" "	Stable (brick)				7,000	
" "	Shop (brick)	1868	(Lot 12) 33,847	6,600	5,500	$14,270
" Concord ave	1 house (brick)					
" "	Shop and stable		27.33 a.	16,700	4,000	325
" "		1890	⅝ a. (gravel pit)	300		
" "		1856	397,417	3,000		
" "		1886	99,000	1,000		
" " nr. Adams street		1891	10,805	500		
S. S. Concord ave		1886	11,220	100		
" " cor. Huron ave.		1882	32,425	700		
S. S. Concord ave		1890	219,400	2,200		
" "		1890	62,000 (G. H. lot)	1,200		
Concord ave		1890	43,560	400		
Near Concord ave. and railroad		1892	4½ a.	5,000		
S. S. Concord ave		1890	24,100	300		
" "		1889	294,000	3,000		
" " between Fresh Pond and Water town Branch of F. R. R.		1886	(Tudor Park) 57,312	1,500		
E. S. Cushing		1886	41,053	800		
" " cor. Woodlawn ave., north end		1888	95,482	2,000		
Cushing, corner Woodlawn ave.		1888	639,550	4,000		
E. S. Cushing, cor. Woodlawn ave., south end		1888	(Tri'ngular lot on St.)	No value		
Fresh Pond lane			211,835	20,000		
" "		1890	11½ a.	11,000		
R. Fresh Pond lane		1886	364,608	3,500		
" "		1886	239,541	5,000		
Near Fresh Pond lane and Adams place		1886	110,891	1,000		
Fresh Pond lane cor. Huron ave.		1894	46,479	6,900		
Rear of Grove		1886	272,800	2,000		
" "		1888	150,000	1,500		
" "		1890	519,000 for ext'n St	6,000		
Holworthy		1886	18,480	No value		(in G. H.) 5
S. S. Huron avenue (part lot)		1886	22,348	700		
S. S. Huron avenue (part lot)		1888	91,112	500		
Huron ave		1890	190,500	4,300		
" "		1890	1¾ a.	1,000		
Kingsley Park		1867 1886	309,336	8,000		
Lake View ave., cor. Vassal lane			(Lot 34) 15,371	2,000		
E. S. Lake View avenue			(Lot 32) 12,000	1,200		
E. S. Lake View avenue	House		(Lot 32) 9,000	1,000	7,000	
W. S. Lake View avenue			(Lot 37) 9,180	1,000		

WATER WORKS--Continued.

Streets.	Buildings.	Date of Purchase.	Feet or Acres of Land.	Valuation of Land.	Valuation of Buildings.	Valuation of Personal
E. S. Lake View avenue			(Lot 31) 12,000	$1,200		
E. S. Lexington ave. cor. Worthington	House and stable.		(Lot 63) 14,437	2,900	$7,300	
Massachusetts ave.	In City Hall					offi'e fur. $1,000
Vassal lane			(Lot 33) 10,795	1,000		
E. S. Woodlawn ave.		1886	91,040	2,000		
Woodlawn ave		1886	24,096	1,900		
E. S. Woodlawn ave.		1886	107,619	8,000		
N. S. Woodlawn ave.		1887	25,216	1,200		
E. S. Woodlawn ave.		1886	15,735	800		
Woodlawn ave		1886	26,989	1,600		
E. S. Woodlawn ave.						
	Woodlawn ave. 9 910 29,471 22,100 4,000 7,000 7,333 14,328 12,280 106,422					
	Cushing 15,611 11,303 26,914		133,336	13,700		
Worthington	Pumping station and machinery.	1856			50,000	pumping pl't tools
	Dwelling-house.	1873	90,414	18,000	2,000	$200,000
E. S. Worthington cor. Lake View avenue		1856 1883	(Lot 36) 5,294	800		
Nursery stock at Fresh Pond						5,000
Total				$190,400	$86,800	$220,600

REAL ESTATE AND PERSONAL PROPERTY AT HOBBS' BROOK.

Value of land	$240,563 30	
Gate houses	6,710 40	
Keeper's house and stable	5,000 00	
Dams	132,297 73	
Personal property	63 00	
		$384,634 43

REAL ESTATE AND PERSONAL PROPERTY AT PAYSON PARK.

Value of land	$48,168 55	
Tool house	300 00	
Reservoir	287,000 00	
Personal property	30 00	
		$335,498 55

WATER WORKS—Concluded.

REAL ESTATE AND PERSONAL PROPERTY AT STONY BROOK.

Value of land	$138,080 73	
Keeper's house and stable	3,000 00	
Dam	289,000 00	
Personal property	396 00	
		$430,476 73

VALUATION OF

Main pipes	$664,401 00	
Supplies	223,317 58	
Boxes	13,967 00	
Fountains	5,600 00	
Gates	38,640 16	
Hydrants	47,437 00	
Ice water fountains	2,500 00	
Meters	38,900 00	
Standpipes	1,490 80	
Payson Park line	198,000 00	
Stony Brook line	237,600 00	
Hobbs Brook Conduit, first section	226,337 00	
Hobbs Brook Conduit, second section	297,275 00	
		$1,995,465 54

SCHOOLHOUSES.

	Feet of Land.	Purchase of Land.	Erection of Buildings.	Valuation of Land.	Valuation of Buildings.	Valuation of Furniture.
Agassiz	19,689	1874	1875	$8,000	$20,000	$1,215
Boardman	10,018	1866	1868	4,000	13,000	1,290
Bridge	4,646	1836	1836	1,400	500	.....
Corlett	10,000	1880	1880 Purchased.	1,200	3,000	195
Cushing	14,787	1880	1880 Purchased.	1,500	3,000	136
Dana	14,317	1847	1848	4,300	.....	.....
Ellis	25,700	1897	1898	6,000	48,000	2,993
Felton	15,090	1847	1848	4,500	6,000	200
Fletcher	18,360	1902	1903	12,000	44,000	3,500
Gannett	15,434	1876	1886	3,000	12,000	430
Wellington	27,673	1875	1884	8,300	98,000	4,240
Gore	9,900	1871	1871	4,000	50,000	820
Harvard	20,494	1870	1871-1899	12,000	65,000	3,765
High	74,366	....	1891	40,900	220,000	9,220
Holmes	11,182	1870	1870	5,000	5,500	275
Houghton	20,306	1904	1904-1905	10,850	85,150	4,009
Kelley	25,230	1900	1902	9,600	60,900	4,380
Lassell	10,000	1880	1880	3,000	8,000	272
Latin	79,579	1894	1897	43,800	225,000	27,150
Lowell	12,033	1883	1883	3,600	5,500	402
Merrill	37,828	1864	1864	19,000	45,000	1,425
Morse	25,650	1889	1890	7,000	73,000	2,040
Otis	8,270	1857	1859	4,000	20,000	930
Parker	12,319	....	1893	7,000	15,000	710
Peabody	21,813	1887	1888-1898	9,800	68,000	3,340
Putnam	14,400	1896	1889	9,800	64,500	2,550
Reed	12,000	1868	1868	1,200	4,000	310
Rindge M. T	81,128	...	1887	44,000	72,000	12,000
Riverside	11,198	1868	1868	3,000	5,000	330
Roberts	16,400	1898	1898	12,000	67,500	4,453
Russell	33,073	1895	1896	6,000	40,000	2,440
Sargent	9,995	1838	1838	5,000	.....	.....
Shepard	14,755	1855	1856-1873	11,000	26,000	1,047
Sleeper	21,284	1894	1894	5,000	24,000	1,190
Stearns	10,050	1812	1841-1843	5,000	.....	.....
Tarbell	19,500	1878	1882	4,900	7,000	355
Taylor	23,592	1894	1895	6,000	36,000	1,720
Thorndike	10,027	1860	1860-1875	4,000	30,000	1,676
Washington	16,000	1900	1901	12,800	80,000	3,550
Webster	25,839	1866	1873-1885	9,000	50,000	3,350
Willard	20,079	1869	1870	7,000	25,000	1,350
Wyman	14,347	1871	1871-1886	4,500	5,000	555
				$383,950	$1,729,550	$109,813

SCHOOL DEPARTMENT.

PERSONAL PROPERTY.

Text books	$37,970 55
Desk, reference and library books	1,961 28
Apparatus and furnishings	20,927 74
Stock on hand July 1	6,672 79
Total	$67,532 36

PUBLIC LIBRARY.

REAL AND PERSONAL ESTATE.

141,666 feet of land, as per assessors' books	$85,000 00	
Library building, as per assessors' books	145,000 00	
		$230,000 00
Estimated valuation of books in the library	$73,000 00	
Estimated valuation of interior furnishings	9,000 00	
Estimated valuation of books in the East Cambridge Branch Library	2,900 00	
Estimated valuation of furnishings in the East Cambridge Branch Library	375 00	
Estimated valuation of books in the North Cambridge Branch Library	1,305 00	
Estimated valuation of interior furnishings in North Cambridge Branch Library	1,080 00	
		87,660 00
		$317,660 00

The lot (about 590 x 240 feet) occupied by the library building is bounded by Broadway, Irving, Cambridge and Trowbridge Streets. The land and building were presented to the City of Cambridge by Mr. Frederick H. Rindge in June, 1889, on the completion of the building, which was begun in the autumn of 1887. In 1894 a wing was added to the building at a cost to the City of $20,000, and in 1902 an addition to the stack was made at an expense of about $30,000.

The trustees of the Library also hold the following funds, invested in the bonds of the City of Cambridge:—

Fay fund, schoolhouse loan bond, No. 254, due 1st August, 1918, at 3½ per cent.		$1,000 00
Cummings fund, water loan bond, No. 38, due 1st July, 1909, 4 per cent.		2,000 00
Citizens' subscription fund, invested as follows:—		
Sewer loan bond, No. 7, due 1st May, 1910, 4 per cent.	$5,000 00	
Sewer loan bond, No. 47, due 1st October, 1925, 4 per cent.	500 00	
		5,500 00
William E. Saunders fund, invested as follows:—		
Building loan bond, No. 544, due 1st April, 1923, 3½ per cent.	$3,000 00	
Street loan bond, No. 545, due 1st April, 1923, 3½ per cent.	4,000 00	
Deposited in Cambridgeport Savings Bank	395 59	
		7,395 59
James A. Woolson fund, invested as follows:—		
City of Cambridge park loan bond, No. 701, due 1st April, 1945, 3½ per cent.		5,000 00
		$20,895 59

PARK DEPARTMENT.

LAND.

	SQUARE FEET.	VALUE.
River Parkway:—		
Section A	395,174	$395,174 00
" B	859,000	1,718,000 00
" C	583,082	145,770 50
" D	1,668,709	188,045 21
" E	77,101	61,045 72
" F	605,084	117,537 65
" G	699,948	419,968 80
" H	62,858	13,135 30
Cambridge Field	528,154	206,200 13
Rindge Field and Nursery	501,729	150,518 70
East Cambridge Embankment	363,825	132,730 28
Commons and Squares:—		
Garden Street, Massachusetts Avenue, and Waterhouse Street	370,785	370,000 00
Massachusetts Avenue, Kirkland and Cambridge Streets	33,357	66,000 00
Massachusetts Avenue and Peabody Street	23,074	46,000 00
Massachusetts Avenue and Holmes Place	20,956	42,000 00
Massachusetts Avenue and Waterhouse St.	13,181	13,000 00
Washington Elm	886	886 00
Broadway Common	107,181	54,000 00
Fort Washington	42,123	8,000 00
Dana Square	33,531	12,000 00
Hastings Square	30,000	9,000 00
Winthrop Square (approx.)	11,611	23,000 00
Arsenal Square	3,189	3,100 00
Pleasant and River Streets	1,569	1,200 00
Pleasant Street and Western Avenue	1,372	1,000 00
Massachusetts Avenue and Arrow Street	872	1,700 00
Mill Pond Property	119,127	26,900 00
Total		$4,225,912 29
Buildings		66,124 48
Equipment		3,845 00

SCHEDULE B

No. X

EXEMPTED PROPERTY

The following is a schedule of property used for religious, charitable and educational purposes, and exempt from taxation by law, including property owned by the county of Middlesex not including that owned by the City of Cambridge, as shown on the Assessors' Books, November 30, 1907:—

Ward One.

Trinity Methodist Episcopal Church:—			
Church, Cambridge, corner Third Street	$25,000 00		
6,500 feet of land	16,300 00		
		$41,300 00	
Massachusetts Baptist Convention, Trustees:—			
Church, Cambridge and Fourth Streets	$25,000 00		
6,000 feet of land	11,000 00		
		36,000 00	
Church of the Ascension:—			
Church, Third and Thorndike Streets	$5,000 00		
4,800 feet of land	4,000 00		
		9,000 00	
County of Middlesex:—			
Court House, Third, Otis and Thorndike Streets	208,500 00		
Court House, Second, Otis and Thorndike Streets	180,000 00		
59,572 feet of land	60,000 00		
		448,500 00	
Law Library		50,000 00	
Registry of Deeds:—			
Cambridge, Otis, Second and Third Streets	376,000 00		
59,380 feet of land	90,000 00		
		466,000 00	
House of Correction, jail and shops, Thorndike, Third Spring and Second Streets	$425,000 00		
59,880 feet of land	30,000 00		
		455,000 00	
Commonwealth of Massachusetts:—			
Office and sheds, Bridge Street	$700 00		
Barn, Bridge Street	1,300 00		
Factory, Bridge Street	3,000 00		
1 house, Bridge street	1,500 00		
Shed, Bridge Street	500 00		
Office, Bridge Street	1,000 00		
41,964 feet, Bridge Street	33,500 00		
23,759 feet Bridge Street	19,000 00		
		60,500 00	
Sacred Heart School Association:—			
St. John's Church, Fourth Street	$5,000 00		
7,005 feet of land	4,200 00		
		9,200 00	
St. John's Literary Institute:—			
Halls and stores, Cambridge Street, 2-3 value	$20,000 00		
1-2 of 6,300 feet of land	4,700 00		
Cash assets	4,862 51		
		29,562 51	
			$1,605,062 51
Amounts carried forward			$1,605,062 51

Ward Two.

Amount brought forward . .			$1,605 062 51
Second Universalist Society:—			
Church, Otis Street . . .	$16,000 00		
5,950 feet of land . . .	3,500 00		
		$19,500 00	
Church of the Sacred Heart:—			
Church, Sixth, Otis and Seventh Streets	$70,000 00		
15,400 feet of land . . .	6,200 00		
		76,200 00	
Sacred Heart School Association:—			
11,000 feet of land on Seventh Street	$3,300 00		
Schoolhouse	150,000 00		
Personal	4,170 00		
		157,470 00	
			253,170 00

Ward Three.

Roman Catholic Archbishop of Boston:—			
Building, west side Portland Street	$7,000 00		
3,687 feet of land . . .	1,500 00		
6,400 feet of land south side Portland Street	2,200 00		
3,696 feet of land, Hardwick Street	1,000 00		
			11,700 00

Ward Four.

Broadway Baptist Church:—			
Church, west side Boardman Street	$30,000 00		
11,620 feet of land . . .	8,000 00		
		$38,000 00	
Cambridgeport Unitarian Society:—			
Church, north side Austin Street	$18,000 00		
13,116 feet of land . . .	8,000 00		
		26,000 00	
Harvard Street Methodist Episcopal Society:—			
Church, north side Harvard Street	$22,000 00		
10,030 feet of land . . .	8,000 00		
		30,000 00	
Hope Congregational Church:—			
Church, north side Harvard Street	$8,000 00		
6,000 feet of land . . .	3,000 00		
		11,000 00	
Swedish Evangelical Missionary Church of Cambridge:—			
Church, 146 Hampshire Street .	$7,000 00		
3,879 feet of land . . .	1,600 00		
		8,600 00	
Amounts carried forward . .		$113,600 00	$1,869,932 51

Amounts brought forward . .		$113,600 00	$1,869,932 51
St. Mary's Parochial School:—			
Church, west side Norfolk, corner Harvard Street . .	$45,000 00		
Girls' School, south side Harvard Street	60,000 00		
Boys' School, east side Essex Street	18,000 00		
Sisters' Home, 50 and 52 Essex Street	7,000 00		
49,928 feet of land . . .	20,000 00		
5,266 feet of land, Worcester Street	2,700 00		
5,803 feet of land, Norfolk Street	3,000 00		
Theatre, east side Norfolk Street	15,000 00		
13,032 feet of land . . .	6,500 00		
Gymnasium, east side Prospect Street	35,000 00		
11,370 feet of land . . .	5,700 00		
House, 121 Norfolk Street .	7,500 00		
7,500 feet of land . . .	2,300 00		
Personal	35,000 00		
		262,700 00	
Congregation Beth Israel of Cambridge:—			
East side Columbia, near Market, Synagogue . . .	$15,000 00		
8,784 feet of land . . .	2,600 00		
		17,600 00	
			393,900 00
Ward Five.			
Baptist Church, Trustees of funds of:—			
Chapel, Hampshire Street .	$3,000 00		
2,500 feet of land . . .	800 00		
		3,800 00	
First Evangelical Congregational Society:—			
Church, west side Prospect Street	$40,000 00		
19,513 feet of land . . .	12,000 00		
		52,000 00	
First Free Baptist Church:—			
Church, north side Harvard Street	$9,000 00		
6,250 feet of land . . .	4,700 00		
		13,700 00	
Donald M. Campbell, Trustee for First Free Baptist Church:—			
Church, north side Hampshire Street	$3,000 00		
3,851 feet of land . . .	1,600 00		
		4,600 00	
Amounts carried forward . .		$74,100 00	$2,263,832 51

Amounts brought forward . .		$74,100 00	$2,263,832 51
First Universalist Society of Cambridge:—			
Church, east side Inman Street	$20,000 00		
15,312 feet of land . . .	11,300 00		
		31,300 00	
First Reformed Presbyterian Church, west side Antrim Street	$7,500 00		
5,000 feet of land . . .	2,100 00		
		9,600 00	
First United Presbyterian Church:—			
Church, south side Cambridge Street	$6,500 00		
9,173 feet of land . . .	4,600 00		
		11,100 00	
Cambridge Young Women's Christian Association:—			
Personal property . . .	$10,416 54		
House, 5 Temple Street . .	3,400 00		
6,069 feet of land . . .	3,600 00		
2 houses, 11 Temple and 136 Austin Streets . . .	4,900 00		
5,098 feet of land . . .	3,100 00		
West side Temple Street, 8,311 feet of land	4,700 00		
Gymnasium	16,000 00		
		46,116 54	
The Holy Ghost Hospital for Incurables:—			
72,310 feet of land north side Cambridge Street . . .		10,000 00	
			182,216 54

Ward Six.

Immanuel Baptist Church:—			
Church, east side Magazine Street	$25,000 00		
11,250 feet of land . . .	3,000 00		
		$28,000 00	
First Swedish Baptist Church of Cambridge:—			
Church (unfinished), 77 Columbia Street	$7,000 00		
2,765 feet of land . . .	1,200 00		
		8,200 00	
Grace Methodist Episcopal Church:—			
Church, east side Magazine Street	$15,000 00		
7,750 feet of land . . .	5,000 00		
		20,000 00	
Massachusetts Baptist Convention:—			
Union Baptist Church:—			
Church, 874 Main Street . .	$14,500 00		
3,900 feet of land . . .	3,900 00		
		18,400 00	
Amounts carried forward . . .		$74,600 00	$2,446,049 05

Amounts brought forward . .		$74,600 00	$2,446,049 05
Baptist Home, 80 Chestnut Street, and 308 Brookline Street, one house and stable . . .	$11,500 00		
21,300 feet of land . . .	10,000 00		
Personal property . . .	30,137 29		
		51,637 29	
The Lamson Home, 322 Brookline Street, one house . . .	$5,000 00		
5,000 feet of land . . .	2,000 00		
Personal property . . .	9,801 87		
		16,801 87	
Roman Catholic Archbishop of Boston:—			
5,015 feet, south side Lake Street	$1,500 00		
5,036 feet, west side Pearl Street	1,500 00		
		3,000 00	
East End Union Mission:—			
Church, west side Burleigh Street on Rogers' land .		6,000 00	
Rush African M. E. Zion Church:—			
Church, south side School Street	$6,000 00		
2,760 feet of land . . .	1,100 00		
		7,100 00	
St. Philip's Church, Episcopal:—			
Church, north side Allston Street	$3,000 00		
4,646 feet of land . . .	1,300 00		
		4,300 00	
Wood Memorial Church, Congregational:—			
Church, west side Columbia, corner Austin Street . .	$30,000 00		
8,933 feet of land . . .	4,700 00		
		34,700 00	
			198,139 16
Ward Seven.			
Cambridge Young Men's Christian Association:—			
Personal property . . .	$15,700 00		
New building, Massachusetts Ave.	127,000 00		
24,145 feet of land . . .	22,000 00		
		$164,700 00	
First Baptist Society:—			
Church, Central Square . .	$80,000 00		
21,400 feet of land . . .	20,000 00		
		100,000 00	
First Church of the Evangelical Association of North America:—			
Church, 44 William Street .	$5,000 00		
6,750 feet of land . . .	2,900 00		
		7,900 00	
Amounts carried forward . .		$272,600 00	$2,644,188 21

Amounts brought forward . .		$272,600 00	$2,644,188 21
Pilgrim Congregational Church:—			
Church, west side Magazine Street	$30,000 00		
12,415 feet of land . . .	9,300 00		
		39,300 00	
Protestant Episcopal Church, Trustees of Donations to:—			
Church, south side Massachusetts Avenue (St. Peter's) .	$10,000 00		
9,229 feet of land . . .	9,200 00		
		19,200 00	
Prospect Union Association:—			
Personal property . . .	$12,961 95		
Building, 744 Massachusetts Ave.	5,800 00		
11,449 feet of land . . .	21,500 00		
		40,261 95	
Stratton, Chas. F., Allen K. Sweet, and Edwin S. Chapin, Trustees:—			
Building, west side Ballard Place	$6,000 00		
4,344 feet of land . . .	1,100 00		
Personal property . . .	225 00		
		7,325 00	
			378,686 95

Ward Eight.

Epworth Methodist Episcopal Church:—			
Church, Massachusetts Avenue	$76,000 00		
11,248 feet of land	11,200 00		
		$87,200 00	
Old Cambridge Baptist Society:—			
Church, Massachusetts Avenue and Harvard Street . .	$71,000 00		
34,573 feet of land . . .	100,000 00		
		171,000 00	
St. Paul's Roman Catholic Church:—			
Church, Mount Auburn Street	$30,000 00		
11,216 feet of land . . .	60,000 00		
		90,000 00	
St. Paul's Catholic School Association:—			
Personal property . . .	$4,000 00		
School building . . .	59,000 00		
House, Arrow and Mount Auburn Streets	8,000 00		
32,900 feet of land . . .	73,200 00		
		144,200 00	
Lampoon Club:—			
Personal property . . .		13,098 81	
Holy Ghost Hospital for Incurables:—			
Personal property . . .	$9,753 23		
Amounts carried forward . .	$9,753 23	$505,498 81	$3,022,875 16

Amounts brought forward . .	$9,753 23	$505,498 81	$3,022,875 16
Building and house, Cambridge Street	56,000 00		
281,436 feet of land (part in Ward 5)	62,000 00		
		127,753 23	
The Corporation of the New Church Theological School:—			
New chapel	$15,000 00		
Personal property . . .	158,217 00		
Two houses and stable, 42-48 Quincy Street . . .	16,000 00		
81,450 feet of land . . .	81,000 00		
		270,217 00	
President and Fellows of Harvard College:—			
Personal property . . .	$16,303,206 36		
Dormitories, chapels, laboratories, museums, lecture rooms and houses, including property in Wards 9 and 10 . .	7,378,000 00		
		23,681,206 36	
			24,584,675 40
Ward Nine.			
The Buckingham School, Buckingham Street:—			
Schoolhouse	$6,000 00		
7,600 feet of land . . .	5,700 00		
Personal property . . .	3,305 24		
		15,005 24	
Christ Church, Episcopal, Garden Street:—			
Church and Parish House .	$22,000 00		
22,701 feet of land . . .	28,000 00		
		50,000 00	
First Parish Church, Unitarian:—			
Church, Massachusetts Avenue	$57,000 00		
14,831 feet of land . . .	43,000 00		
		100,000 00	
Cambridge Social Union:—			
Personal property . . .	$2,000 00		
House, No. 42 Brattle Street .	5,000 00		
7,030 feet of land . . .	10,500 00		
1-3 value of hall . . .	3,000 00		
1-3 value of 10,000 feet of land	5,000 00		
		25,500 00	
Shepard Congregational Society:—			
Church, Garden Street . .	$110,000 00		
34,353 feet of land . . .	34,000 00		
		144,000 00	
St. Peter's Parish Hall Corporation:—			
Stores and hall, 70 Concord Ave.	$39,500 00		
11,850 feet of land . . .	3,500 00		
Convent	16,000 00		
4,536 feet of land east side Sparks Street Court . .	1,400 00		
		60,400 00	
Amounts carried forward . .		$394,905 24	$27,607,550 56

Amounts brought forward . .		$394,905 24	$27,607,550 56
Mass. College of Osteopathy:—			
House, 15 Craigie . . .	$8,000 00		
46,336 feet of land . . .	16,000 00		
Personal property . . .	6,000 00		
		30,000 00	
Roman Catholic Archbishop of Boston:—			
Building, S. S., Concord Avenue	$4,000 00		
10,000 feet of land . . .	3,500 00		
St. Peter's Church . . .	45,000 00		
51,286 feet of land . . .	20,500 00		
		73,000 00	
Mt. Auburn Cemetery Corporation:—			
507,400 feet of land, Coolidge Avenue		50,000 00	
Cambridge Hospital:—			
Personal property . . .	$265,079 01		
Buildings, Mount Auburn St. .	94,000 00		
Land	143,000 00		
		502,079 01	
Cambridge Home for Aged People:—			
Personal property . . .	$108,508 16		
Building, Mount Auburn Street	60,000 00		
42,975 feet of land . . .	20,000 00		
		188,508 16	
Longfellow Memorial Association:—			
Personal property . . .	$16,739 44		
Park, south side Brattle Street 93,618 feet	56,000 00		
		72,739 44	
Episcopal Theological School, Trustees of:—			
Personal property . . .	$427,800 04		
Chapel, seminary and dormitories, Brattle and Mason Streets, and Hastings Avenue . .	356,700 00		
		784,500 04	
Avon Home, Mount Auburn Street:—			
Building	$22,000 00		
69,470 feet of land . . .	28,000 00		
Personal property . . .	138,794 44		
		188,794 44	
Radcliffe College:—			
Personal property . . .	$733,595 94		
Five houses, laboratory, schoolhouse and gymnasiums, Garden, Brattle, Mason and James Streets, 163, 296 feet of land including Ward 10 property .	543,000 00		
		1,276,595 94	
Metropolitan Park, 29 acres .	$5,800 00		
397,445 feet of land, Willis Court	198,800 00		
		204,600 00	
			3,765,722 27
Amount carried forward . .			$31,373,272 83

Ward Ten.

Amount brought forward . .			$31,373,272 83
North Avenue Congregational Society:—			
Church, Massachusetts Avenue .	$32,000 00		
13,430 feet of land . . .	11,600 00		
		$43,600 00	
			43,600 00

Ward Eleven.

Catholic Cemetery, Rindge Avenue, 304,014 feet of land .	$30,000 00		
2,235 feet of land . . .	200 00		
		30,200 00	
Third Universalist Society:—			
Church, Massachusetts Avenue	$30,000 00		
14,880 feet of land . . .	14,800 00		
		44,800 00	
Trustees of Donations to the Protestant Episcopal Church:—			
Church and Chapel, Massachusetts Avenue and Beech Street	$75,000 00		
21,207 feet of land (cemetery lot included)	21,200 00		
		96,200 00	
Abbott, Edward, Trustee for, west side Beech Street:—			
Lot, 7,965 feet of land . .		3,900 00	
North Avenue Baptist Society:—			
Church Massachusetts Avenue .	$55,000 00		
38,525 feet of land . . .	21,300 00		
		76,300 00	
Roman Catholic Archbishop of Boston:—			
Schoolhouse, south side Rindge Avenue	$40,000 00		
39,754 feet of land . . .	8,000 00		
Church, west side Massachustets Avenue	10,000 00		
17,753 feet of land . . .	10,000 00		
		68,000 00	
Lot, east side Middlesex Street, 1,939 feet		400 00	
Lot, south side Wilson Avenue, 6,214 feet		1,200 00	
Lot, end Wilson Avenue, 2,037 feet		400 00	
Marist Fathers of Boston, French Roman Catholic Church:—			
Personal property . . .	$1,500 00		
Church, north side Harvey St. .	18,000 00		
14,645 feet of land . . .	3,000 00		
Schoolhouse, Harvey Street, .	30,000 00		
12,375 feet of land . . .	1,200 00		
		53,700 00	
			375,100 00
Total			$31,791,972 83

REPORT OF THE CITY TREASURER.

CITY OF CAMBRIDGE, MASS.,
OFFICE OF CITY TREASURER, December 1, 1907.

To the Honorable, the City Council:—

In the following pages I submit a detailed report of the receipts and expenditures of the public funds by the Treasury Department, during the year ending November 30, 1907, including an account of all bonded and temporary loans negotiated in said year; also, a detailed account of official fees received, and reports on the "Cemetery Fund" and "Sarah E. Russell Fund."

Very respectfully,

WM. W. DALLINGER,
City Treasurer.

CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM DECEMBER 1, 1906, TO

Dr.

To authorized payments charged to City Accounts:—

Mayor's Department:—	
Salaries	$5,480 00
General Expenses	752 88
City Messenger's Department:—	
Salaries	1,992 75
General Expenses	361 08
Clerk of Committees' Department:—	
Salaries	3,739 10
General Expenses	463 94
City Council Expenses	5,332 66
City Clerk's Department:—	
Salaries	6,835 96
General Expenses	2,247 02
Law Department:—	
Salaries	4,100 00
General Expenses	1,313 15
Auditing Department:—	
Salaries	3,999 99
General Expenses	212 63
Assessors' Department:—	
Salaries	13,749 99
General Expenses	1,843 73
Assessors' Plans	275 83
Treasury Department:—	
Salaries	10,699 82
General Expenses	7,797 97
Sinking Fund Officials	325 00
Election Expenses:—	
City Clerk	11,047 41
Registrars of Voters	4,457 32
Superintendent of Buildings	4,609 27
City Hall:—	
Salaries, Janitors and Others	10,874 84
General Expenses	14,194 40
Postage and Stationery	1,685 51
Police Department:—	
Salaries	158,999 27
General Expenses	6,596 97
Fire Department:—	
Salaries	101,246 38
General Expenses	17,510 24
Repairs to Buildings	1,898 28
Electrical Department—Wire Account:—	
Salaries	8,909 00
General Expenses	3,815 73
Amount carried forward	$417,368 12

NOV. 30, 1907 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

By receipts as follows:—	
City Clerk's Department	1,200 25
Law Department	1,000 00
Treasury Department	5,094 86
City Hall	116 02
Contingent Fund	48 83
Postage and Stationery	1,528 47
Police Department	976 34
Fines	4,573 05
Fire Department	35 27
Electrical Department—Wire Account	17 55
Health Department	1,594 82
Inspector of Milk and Vinegar:—	
Modified Milk	538 12
Sealer of Weights and Measures	736 92
Militia and Armories:—	
Rent	2,013 00
City Farm	5,486 29
City Home	833 88
Hospital	444 01
Out-door Relief	3,436 85
State Aid—Soldiers' Relief	15,561 76
Street Paving:—	
Street Maintenance	815 87
Sidewalks:—	
Paving—Edgestones and Sidewalks	323 83
Street Sprinkling	1,123 95
House Offal	10,564 07
Sewer Department:—	
Construction:—	
General	64 42
Maintenance	265 99
Bridges:—	
Boston Bridges	139 76
Salaries and Labor	41 66
Street Department	2,098 00
Water Department:—	
Construction:—	
General	836 23
Hobbs Brook Conduit	69 98
Maintenance:—	
Water Rates	386,837 00
Amount carried forward	$448 417 05

CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM DECEMBER 1, 1906, TO

Dr.

Amount brought forward	$417,368 12
Health Department:—	
Salaries	12,935 56
General Expenses	8,297 74
Diphtheria Hospital	8,164 09
Inspector of Milk and Vinegar:—	
Salaries	1,714 16
General Expenses	257 92
Modified Milk	1,190 53
Inspector of Animals	832 49
Superintendent of Buildings:—	
Salaries	6,271 00
General Expenses	714 14
Plumbers' Examiners Department	107 59
Sealer of Weights and Measures:—	
Salaries	2,242 90
General Expenses	464 02
Moving City Scales	510 34
Militia and Armories:—	
Rifle Range	1,111 00
Car Tickets to and from Rifle Range, etc	462 50
City Farm:—	
Labor	3,980 78
Supplies	1,045 72
City Home:—	
Salaries	7,034 62
General Expenses	12,446 05
Hospital	1,623 64
Out-door Relief:—	
Salaries	3,560 00
General Expenses	20,180 84
City Physician	1,500 00
State Aid—Soldiers' Relief	30,337 39
Engineering Department:—	
Salaries	8,682 84
General Expenses	903 98
Street Department—Salaries of Superintendent and Clerks	6,273 13
Land Damages	19,681 80
Street Construction	6,292 14
Allston Street and Others	1,151 20
Sundry Streets	6,140 44
Wadsworth and Amherst Streets	3,787 30
Francis Avenue and Others	3,988 26
Brookline Street	2,812 32
Osborn Street	5,368 62
Lowland Avenue	350 83
Amount carried forward	$609,786 00

NOV. 30, 1907 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$448,417 05
Cemetery Department:—	
Burials, Sales of Lots, etc.	19,371 27
City Real Estate	491 00
Rents	1,569 11
Schools:—	
General Expenses	17 10
Text Books and Supplies	826 51
Tuition, etc.	6,851 00
Public Library	725 59
Dog License Fund	5,439 03
Park Department:—	
Construction and Lands	2,220 70
Maintenance	5 20
Brown Tail Moth Extermination	1,894 50
Cambridge Field and Shelter	345 68
Baths	1,263 68
Loans:—	
Building	30,000 00
Cambridge Bridge	105,000 00
Park	10,000 00
Sewer	70,000 00
Street	94,000 00
Temporary	720,000 00
Water	74,000 00
Premium Account	4,898 00
Water Loan	247 50
Interest	13,366 41
Interest on Water Loans	144 67
Taxes:—	
1901	10 00
1902	6 00
1903	728 70
1904	2,540 74
1905	11,881 90
1906	423,106 96
1907—Polls	23,024 00
Personal Estate	288,893 48
Real Estate	1,272,338 28
Old Taxes	501 96
Tax:—	
Corporation	86,699 40
National Bank	18,379 69
Street Railway	77,445 10
Licenses	3,414 50
Betterments—Streets	463 85
Amount carried forward	$3,820,528 56

CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM DECEMBER 1, 1906, TO

Dr.

Amount brought forward	$609,786 00
Somerville Avenue	201 25
Charles Street	2,301 78
Otis Street	4,378 40
Houghton Street and Others	13,224 05
Sidney Street	16,946 63
Board of Survey	171 28
Street Paving:—	
Street Maintenance	64,774 70
Crossings	2,965 71
Rebuilding Streets	4,453 77
First Street	754 64
Massachusetts Avenue	32,895 89
Hampshire Street	14,760 74
Bridge Street	641 79
Sundry Streets	2,700 12
Cambridge Street	7,137 10
Garden Street	24,752 06
Sidewalks:—	
Paving—Edgestones and Sidewalks	25,440 30
Sidewalk Repairs	5,494 80
Street Lighting:—	
Salaries	1,000 00
General Expenses	78,498 77
Street Cleaning	37,382 03
Snow Removal	8,997 32
Street Sprinkling	31,637 07
House Offal:—	
Labor	28,320 45
General Expenses	6,569 80
Collection of Ashes	37,458 07
Incinerator Plant	356 85
Sewer Department:—	
Construction:—	
General	15,233 83
Gate Chambers	2,592 81
Improved Sewerage	97 05
Portland Street Trunk Sewer	24,998 48
Separate System of Drainage	20,349 32
Maintenance	19,599 91
Bridges:—	
Boston Bridges:—	
Salaries and Labor	7,974 67
General Expenses	4,129 15
Brookline Bridge Approach	2,294 21
Cambridge Bridge	130,290 68
Commercial Avenue Bridge	17,068 36
Soldiers' Field Bridge	18 24
Street Department	7,511 77
Amount carried forward	$1,316,159 89

NOV. 30, 1907 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$3,820,528 56
Assessments:—	
Sewers	2,726 47
Sidewalks	22,222 48
Street Sprinkling	4,475 34
Taxes—1907	25,416 38
Moth Extermination:—	
Taxes—1906	1,333 00
Taxes—1907	2,752 91
Trustee of Cemetery Fund	2,490 50
Commissioners of Sinking Funds	182,500 00
Total Receipts	$4,064,445 64
Cash Balance in Treasury November 30, 1906	309,631 91
	$4,374,077 55

Amount carried forward	$4,374,077 55

CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM DECEMBER 1, 1906, TO

Dr.

Amount brought forward	$1,316,159 80
Damages to Persons and Personal Property	1,851 00
Civil Service Department	337 35
Water Department:—	
Construction:—	
General	17,334 47
Broad Canal Conduits	22,824 87
Hobbs Brook Conduit	44,507 23
Meters	5,668 65
Services of City Solicitor	1,000 00
Maintenance:—	
Salaries	11,332 90
General Expenses	29,768 90
Pumping:—	
Salaries and Labor	8,079 26
General Expenses	10,186 93
Fresh Pond Reservoir	6,789 81
Sanitary, Drinking Fountains, etc	670 00
Hobbs Brook Reservoir	1,458 83
Payson Park Reservoir	803 75
Stony Brook Reservoir	2,417 73
Services of City Treasurer	1,500 00
Ice for Fountains	666 12
Abatements	3,198 35
Refunds	4,062 37
Cemetery Department:—	
Salaries	15,848 76
General Expenses	2,453 57
Surface Drainage	70 26
Rebuilding Wall	749 06
Schools:—	
Salaries, Janitors and Others	42,567 01
General Expenses	52,732 67
Wellington Schoolhouse—Addition	39,838 07
Houghton Schoolhouse	3,720 60
Rindge Manual Training Schoolhouse—Equipment	65 00
Taylor Schoolhouse—Land	2,500 00
Care of Truants	2,607 60
Flags	32 40
Incidentals	2,428 65
Text Books and Supplies	27,225 85
Transportation of Pupils	165 00
Salaries—Teachers and Officers	437,306 36
Vacation Schools	1,913 39
Public Library:—	
Salaries	11,055 46
General Expenses	10,885 17
East Cambridge Branch Library:—	
Salaries	962 75
General Expenses	1,014 76
Amount carried forward	$2,146,760 71

NOV. 30, 1907 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$4,374,077 55
Amount carried forward	$4,374,077 55

City of Cambridge in Account Current from December 1, 1906, to

Dr.

Amount brought forward	$2,146,760 71
North Cambridge Branch Library	2,996 86
Alteration of Building	235 00
Park Department:—	
Construction and Lands	24,312 80
Rindge Field	1,893 64
Shelter at Rindge Field	64 03
Playground—East Cambridge	72 25
Playground—Mill Pond	999 77
Maintenance:—	
Brown Tail Moth Extermination	9,000 17
Cambridge Field and Shelter	5,788 17
Commons, Squares and Public Grounds	4,559 37
Salaries	1,522 00
General Account	1,492 46
Shade Trees	5,302 44
Sections, A, B, D, F and Rindge Field	5,674 75
Shelter at Rindge Field	14 36
Gymnasium at Rindge Field	500 00
Sections G and H	1,995 51
Sand Gardens	199 79
Baths	2,233 56
Celebrations:—	
Independence Day	1,627 33
Labor Day	399 65
Memorial Day	1,100 00
Old Home Week	491 00
Loans:—	
Paving	20,000 00
Schoolhouse	9,500 00
Sewer	30,000 00
Street	11,000 00
Temporary	700,000 00
Water	112,000 00
Sinking Funds:—	
Brookline Bridge	333 33
Cambridge Bridge	19,333 33
Cambridge Bridge Special	616 00
Clay Lands	5,335 00
Commercial Avenue Bridge	666 67
General	105,520 38
Harvard Bridge	8,800 00
Hospital	225 00
Improved Sewerage	9,878 00
Metropolitan Park Assessment	1,012 00
Park	24,453 33
Separate System	1,100 00
Water	132,143 62
Serial Water Bond	12,500 00
Interest	208,028 85
Interest on Park Loans	56,620 00
Amount carried forward	$3,688,301 13

NOV. 30, 1907 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$4,374.077 55

Amount carried forward	$4,374.077 55

City of Cambridge in Account Current from December 1, 1906, to

Dr.

Amount brought forward	$3,688,301 13
Interest on Water Loans	150,165 25
Taxes:—	
Abatements	63,352 34
Excise Tax—Refunds	1 24
Tax:—	
Armory	10,292 04
County	108,266 83
Grade Crossings	12,572 00
Metropolitan Parks	51,181 40
Metropolitan Sewer	64,323 01
National Bank	4,471 40
State	122,720 00
Tax Lien Account	40 57
Licenses	47 50
Trustee of Cemetery Fund	2,490 50
Total Payments	$4,278,225 21
Cash Balance in Treasury November 30, 1907	95,852 34
	$4,374,077 55

NOV. 30, 1907 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$4,374,077 55
	$4,374,077 55

TEMPORARY LOANS IN ANTICIPATION OF TAXES, NEGOTIATED IN THE YEAR ENDING NOVEMBER 30, 1907.

Date.	Maturity.	Amount.	
January 16	October 10	$50,000	With interest at 5.25 per cent. per annum.
January 17	October 10	50,000	Discounted at 5.23 " " " "
February 14	October 11	50,000	" " 4.82 " " " "
February 18	October 11	20,000	With interest at 4.75 " " " "
March 9	October 11	10,000	Discounted at 5.00 " " " "
March 9	October 11	10,000	" " 5.00 " " " "
March 9	October 11	25,000	" " 5.50 " " " "
March 9	October 11	10,000	" " 5.00 " " " "
May 3	October 10	60,000	With interest at 4.50 " " " "
May 14	October 11	25,000	Discounted at 4.50 " " " "
May 18	October 14	40,000	" " 4.50 " " " "
July 10	October 14	100,000	" " 5.25 " " " "
August 6	October 14	100,000	" " 5.74 " " " "
September 5	October 14	50,000	" " 6.00 " " " "
September 9	November 4	25,000	" " 6.00 " " " "
September 9	November 4	75,000	" " 6.00 " " " "
November 30	May 1, 1908	20,000	With interest at 6.00 " " " "

Average Interest Rate 5.238 per cent.

With the exception of $20,000, due May 1, 1908, these loans were all paid before the close of the financial year.

PARTICULARS CONCERNING THE BONDS NEGOTIATED DURING THE YEAR ENDING NOVEMBER 30, 1907.

Date of Bonds.	Amount.	Loan.	Years to Run.	Rate of Interest.	Purchaser.	Price Paid.	Basis.
1907							
Jan. 1	$50,000	Cambridge Bridge	40	4	Merrill, Oldham & Co.	$103 63	3 82
Apr. 1	60,000	Sewer	30	4	" " "	103 11	3 825
Apr. 1	40,000	Street	20	4	" " "	102 43	3 825
June 1	2,000	Street	20	4	" " "	100 25	3 98
June 1	16,000	Street	20	4	" " "	100 25	3 98
June 1	1,000	Street	20	4	City Treasurer of Cambridge in Trust for Cemetery Fund.	par	
June 1	49,000	Water	30	4	Merrill, Oldham & Co.	100 25	3 99
July 1	40,000	Cambridge Bridge	40	4	" " "	100 50	3 98
July 1	25,000	Water	30	4	" " "	100 50	3 97
Sept. 1	25,000	Building	20	4	" " "	par	
Sept. 1	5,000	Building	20	4	Commissioners of Sinking Funds, Cambridge	par	
Sept. 1	25,000	Street	20	4	Merrill, Oldham & Co.	par	
Oct. 1	15,000	Cambridge Bridge	40	4	" " "	par	
Oct. 8	5,000	Park	40	4	" " "	par	
Oct. 11	5,000	Park	40	4	" " "	par	
Nov. 1	10,000	Sewer	30	4	Commissioners of Sinking Funds, Cambridge.	par	
Nov. 1	10,000	Street	20	4	" " "	par	
	$383,000						

RECAPITULATION.

Building Loans	$30,000 00	Sewer Loans	$70,000 00
Cambridge Bridge Loans	105,000 00	Street Loans	94,000 00
Park Loans	10,000 00	Water Loans	74,000 00
		Total issue	$383,000 00

FEES.

During the year the Treasurer has received official fees amounting to $3,576.36, itemized as follows:—

Summonses to delinquents	$1,941 50	
Preparing advertisements of sale	389 85	
Advertisements of sale	659 51	
Posting notices of sale	331 50	
Making tax deeds	220 00	
Recording affidavits	21 00	
Collector's fees under Chapter 443, Acts 1902	13 00	
		$3,576 36

These fees were all turned into the City Treasury as received.

CEMETERY FUND.

Received during year ending November 30, 1907, from proprietors of lots in Cambridge Cemetery	$2,490 50	
Interest	14 46	
Which added to amount of fund December 1, 1906	71,044 08	
Makes the present amount		$73,549 04

The interest received on the Fund for the year was $2,638.70, which has been paid to the Commissioners of the Cambridge Cemetery for the care of all lots placed in perpetual care.

The assets of the Fund, as of November 30, 1907, are invested as follows, viz.:—

Registered bonds of City of Cambridge, amounting to	$69,350 00	
Deposited in Cambridgeport Savings Bank	4,331 04	
		$73,681 04
Fund for perpetual care of lots is	$73,549 04	
Fund for Deeds in Trust is	132 00	
		$73,681 04

This fund is held in trust by the City Treasurer.

SARAH E. RUSSELL FUND.

This is a Fund bequeathed by the late Sarah E. Russell of Cambridge, in 1898, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse."

The amount of the bequest was $814.41, and was deposited in the Cambridgeport Savings Bank, where it now remains.

The interest accumulations to November 30, 1907, have been paid to Mr. C. E. Goodrow, Superintendent of the City Home, to be used at the approaching Christmas as stipulated in the will of Mrs. Russell.

WM. W. DALLINGER,

City Treasurer.

REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER,
CAMBRIDGE, December 1, 1907.

To the Honorable, the City Council:—

The City Engineer hereby submits his annual report, being the forty-first of the department, showing the operation and expenditures of the Engineering and Sewer Departments for the year ending December 1, 1907.

A brief summary of the year's work of the Engineering Department is as follows:—

FOR HIGHWAY DEPARTMENT.

Number of surveys made	59
Number of street lines given	73
Number of grades given	126
Number of streets on which paving, curb, etc., was measured	86
Number of assessments prepared	500
Number of plans and profiles prepared	24

FOR SEWER DEPARTMENT.

Number of surveys made	21
Number of lines given	46
Number of grades given	214
Number of sewers measured	28
Number of sewer assessments prepared	62
Number of sewers assessed	7
Number of plans or profiles prepared	45

FOR WATER WORKS.

Number of surveys	21
Number of plans and profiles made	5

FOR PARK DEPARTMENT.

Number of surveys made	7
Number of grades given	48
Number of lines given	38

FOR LAW DEPARTMENT.

Number of surveys	38
Number of plans (not filed)	10
Number of photographs	44

FOR PRIVATE PARTIES.

Number of street lines given	34
Number of street grades given	10

MISCELLANEOUS WORK.

Number of surveys	50
Number of houses measured	373
Number of plans or profiles prepared, tracings, etc.	323
Number of photographs taken	37

There are now on file in the office 10,280 plans.

LIST OF STREETS ON WHICH ACTION HAS BEEN TAKEN BY THE BOARD OF SURVEY.

Street.	From	To	Length.	Width.	Date of Approval.
*Allston St.....	Magazine St.....	Kenwood St.....	261.5	40	July 24, 1907
Binney St.....	Fifth St.....	Ninth St.....	1546	50	Nov. 11, 1907
Bowdoin St.....	Extension.....	Hudson St.....	247.5	40	July 24, 1907
Franklin St.....	Sidney St.....	Blanche St.....	147	40	July 24, 1907
Gorham St.....	Extension.....	Sacramento St.....	93.5	40	July 24, 1907
Manassas Ave.....	Concord Ave.....	Huron Ave.....	511	24	Oct. 23, 1907
Phillips Pl.....	Garden St.....	Berkeley St.....	254	35	Oct. 23, 1907
Vandine St.....	Portland St.....	Berkshire St.....	300	25	Nov. 6, 1907
Winthrop St.....	Dunster St.....	Holyoke St.....	197	30	July 24, 1907
Yorktown St.....	Extension.....	Somerville Line.....	84	40	July 24, 1907

*Modification of line approved October 15, 1906.

STREETS LAID OUT AND ACCEPTED, DECEMBER 1, 1906, TO DECEMBER 1, 1907.

Location of Street.						Plan.	
Name.	From	To	Length in Feet.	Width in Feet.	Date of Acceptance.	Made by	Date.
Allston St.....	Magazine St.....	Kenwood St.....	261.5	40	Oct. 2, 1907	City Engineer.....	June 12, 1907
Clarendon Ave.....	Massachusetts Ave.	Somerville Line...	735	40	June 13, 1907	City Engineer.....	May 4, 1906
Columbus Ave.....	Massachusetts Ave.	Madison Ave.....	190	40	June 13, 1907	W. A. Mason & Son	May 7, 1906
Houghton St.....	Prospect St.....	Somerville Line...	36	40	June 13, 1907	City Engineer.....	June 6, 1906
Madison Ave.....	Columbus Ave.....	Whittemore Ave...	617.5	40	June 13, 1907	W. A. Mason & Son	May 7, 1906
Miller Ave.....	Orchard St.....	Somerville Line...	335.5	24	Oct. 2, 1907	Chester A. Garfield	Sept. 3, 1906
Seven Pines Ave...	Yorktown St.....	Somerville Line...	321.4	40	June 13, 1907	W. A. Mason & Son	Oct. 15, 1900
Windsor St.....	Extension.....	Somerville Line...	188	40	June 13, 1907	City Engineer.....	Sept. 16, 1906
Yorktown St.....	Seven Pines Ave...	Somerville Line...	84	40	Oct. 10, 1907	W. A. Mason & Son	Jan. 28, 1903

Total length of streets accepted from December 1, 1906, to December 1, 1907, 2768.9 feet or 0.524 miles.

Total length of streets accepted December 1, 1907, 101.257 miles.

COMMERCIAL AVENUE BRIDGE OVER LECHMERE CANAL, UNFINISHED

BRIDGES.

CHARLES RIVER ROAD BRIDGE OVER THE BOSTON AND ALBANY BRANCH RAILROAD.

This bridge, which was begun last year, as referred to in the annual report, was completed by the contractor, W. A. Murtfeldt Company, September 7, 1907, in a very satisfactory manner.

The Warren Brothers Company paved the roadway with bitulithic pavement at a cost of $300.00.

The total cost of the bridge, including paving, inspection and incidentals, is $13,720.42.

The roadway of the bridge is thirty feet wide; the two sidewalks each 7.5 feet wide. The abutments are of concrete, reinforced with twisted steel rods, and each abutment rests on 231 piles driven through the mud and filling to and into the hard material below. The bridge deck is carried by steel I beams 24 inches high, filled in between and over the tops with concrete. The balustrade and corner posts are all of concrete.

The approach from Brookline Street to the bridge has been filled nearly to grade and some filling has been placed on the easterly side of the bridge.

COMMERCIAL AVENUE BRIDGE OVER LECHMERE CANAL.

Plans for the piers and foundations for this bridge were prepared, bids obtained and a contract for construction executed on February 18, 1907, by Hugh Farrell of Somerville.

Considerable delay in beginning the work was occasioned by the operations of the contractors for the State, in the Canal, but the work is now practically completed. A large amount of filling and grading on the street north of the canal, leading to Bridge Street, has been done, ready for the paving.

Payments to date to the contractor and others on account of this work have amounted to $18,839.77.

As reported last year, the plans for the superstructure were prepared by the Scherzer Rolling Lift Bridge Company of Chicago, Ill., and on February 18, 1907, a contract was executed with the Boston Bridge Works, Incorporated, of Boston, to build and erect the bridge

complete. The southerly portion of the bridge is now nearly erected and the northerly portion is fabricated and ready for erection.

FIRST STREET BRIDGE OVER BROAD CANAL.

This bridge was reported as in bad condition in the annual report of last year. Little but temporary repairs have been made upon it, and it is now in unsafe condition for the heavy travel. By a special report to the Superintendent of Streets on this matter dated October 17, 1907, it was recommended that a thorough reconstruction of the bridge be commenced at once. This recommendation is here renewed.

THIRD STREET BRIDGE.

This bridge is in generally very poor condition. Many piles have been weakened; much of the timber has become decayed, and the planking of the floor is practically worn out.

This bridge should be thoroughly overhauled and rebuilt the coming season.

SIXTH STREET BRIDGE.

The southerly half of this bridge is in fair condition, having been repaired in 1907.

The northerly half is in very poor condition and the timber and planking should be renewed, the facing on the draw replaced and the piling strengthened.

WALDEN STREET AND HURON AVENUE BRIDGES.

These are steel bridges and are in general good condition, and will need only minor repairs, painting, etc., the coming season.

PAVEMENTS.

A substantial increase in the amount of permanent pavement of the City streets has been made the past year, about 2.102 miles or 52,826 square yards having been added to the amount.

The following statistics as to paving in this City may be of interest:—

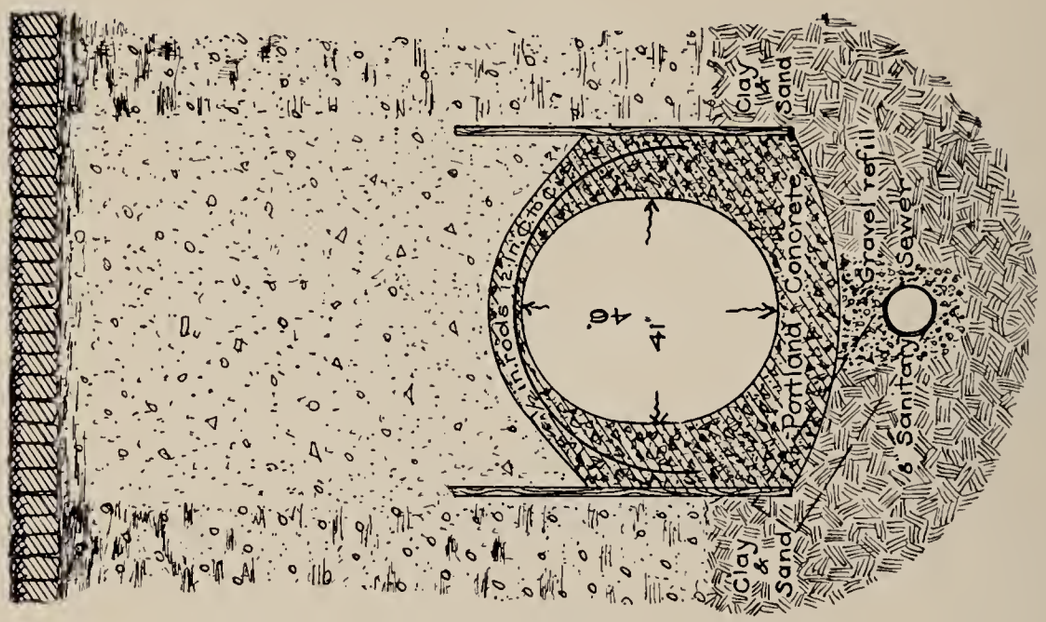
CROSS SECTION OF PORTLAND STREET TRUNK SEWER

0 1 2 3 4 5 6

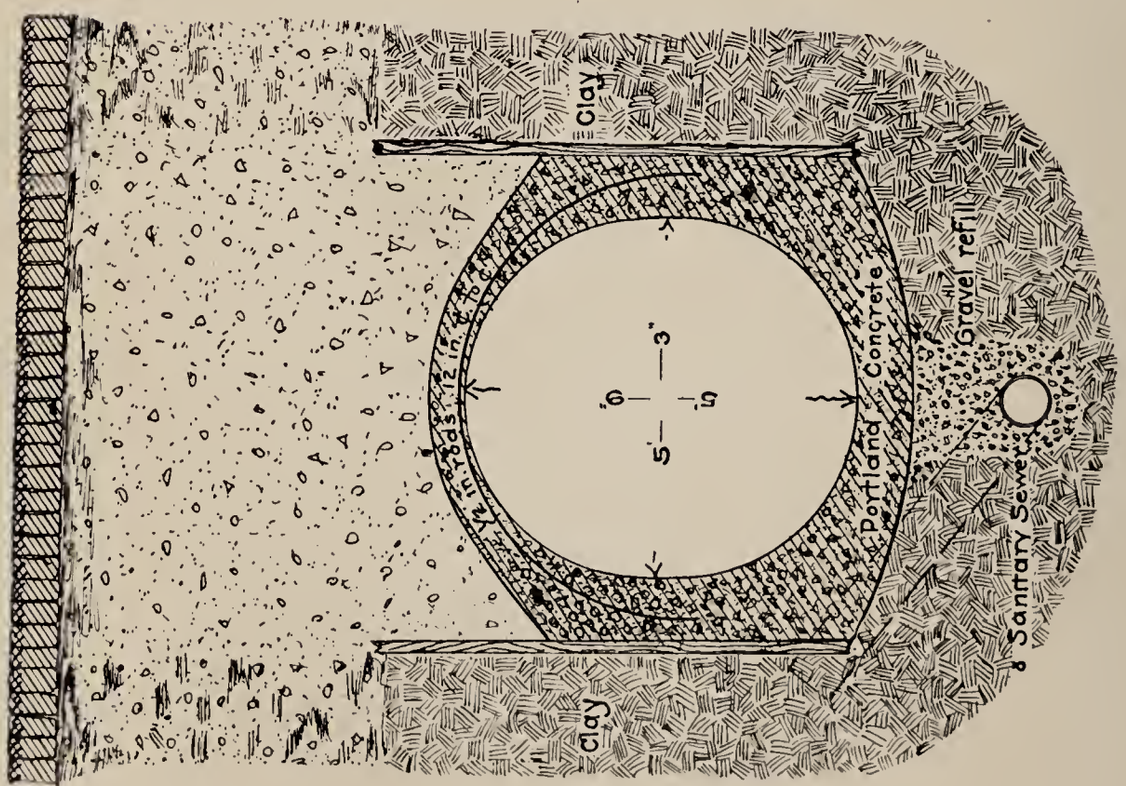
1907

L. W. Hastings - CITY ENGINEER

WASHINGTON TO MAIN ST.



HAMPSHIRE ST. TO BROADWAY



PAVEMENT STATISTICS.

Kind.	Length Miles.	Area Square Yards.
Granite Blocks	9,505	233,323
Vitrified Paving Blocks	3.573	82,941
Bitulithic (Warren Bros. Co.)	2.220	53,723
Hassam Pavement	0.840	22,329
Asphalt	0.169	5,315
Macadam	84.950	1,237,960
Totals	101.257	1,635,591

SEWERS.

RAILROAD STREET AND COGSWELL AVENUE DISTRICT.

Work on the sewers in this district was begun in 1906 and has been continued during this season. Sewers have been extended and completed in Railroad Street and private lands, Cogswell Avenue and Davenport Street; also, sewers have been built in Mead Street, Somerville Avenue, Saginaw Avenue, Allen Street, Beech Street, Russell Street, Tenney Street and Miller Avenue.

The length of sewer constructed this year in this district is 4353.42 feet and the expenditure has been $18,450.44, charged to "Separate System."

PORTLAND STREET SEWER.

Partly in anticipation of the construction of the Main Street subway, and partly to improve the discharge facilities of the Main Street sewer system, the main trunk sewer in Portland Street at Hampshire Street was extended in a direct line to Main Street, cutting out a long circuit or detour which the sewage has hitherto been obliged to make to its outlet, and also making an outlet for the syphon which will be necesasry in Main Street when the subway is constructed. This sewer is 1288 feet long and is constructed entirely of concrete reinforced with steel rods and is ultimately to be used as a storm water sewer only. The sewer varies from 5 feet 3 inches by 5 feet 9 inches to 3 feet 5 inches by 3 feet 10 inches internal dimension. In connection with this work about 1075 feet of sanitary sewer

was constructed below the storm sewer above described, as shown on the accompanying plan.

The total cost of the sewer has been $25,387.16 to December 1, 1907.

GATE CHAMBERS.

In anticipation of the completion of the Charles River Dam and the holding of the water at a constant level in the basin, the construction of stop plank chambers and apparatus in many of the outlet sewers discharging into the Charles River Basin became necessary. A special appropriation of $5,000.00 was made for this purpose, and much of the necessary work has been completed.

Chambers have been built or altered on outlets of the Talbot Street, Binney Street, Pleasant Street, Pearl Street, Western Avenue, DeWolf Street and Murray Street sewers. Of the appropriation, $2,831.50 has been expended. It is intended to complete the work this coming winter.

GENERAL SEWER CONSTRUCTION.

The total length of sewer conduit constructed during the year was 2.001 miles, making the total mileage in the City 135.770 miles. The length of streets newly sewered during the year has been 0.678 feet, making the total mileage of streets sewered with one or more conduits 115.828 miles.

The total cost of sewer construction to date, including $824.62 paid by Street Department for catch basin construction, has been $2,058,499.48.

Sewers have been built on streets on petition by owners, as shown by the annexed schedule on opposite page.

SEWERS CONSTRUCTED BETWEEN DECEMBER 1, 1906, AND DECEMBER 1, 1907.

Streets.	From	To	Material.	Size in Inches.			Number of			Average Depth.	Length in Feet.			Cost.		Time when work was	
				Combined.	Storm.	Sanitary.	Manholes.	Lamp holes.	Inlets,		Combined.	Sanitary.	Storm.	Per foot.	Total.	Begun.	Finished.
Columbia st..	Cambridge st.	Southerly....	Akron pipe..	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	$391.62	Dec. 1,'06	Dec. 11,'06
Somerville ave.	near White st.	Som'ville line	" " ..	.....	.....	8	2	.....	16	12	.....	666.00	.....	$3.08	2,053.94	Dec. 1,'06	Dec. 22,'06
Railroad st. and Private Lands	Groveland st.	Cogswell ave.	Concrete and brick.....	.....	.....	21 x 28 16 x 21	2	.....	12	12	.....	723.30	.....	11.54	8,348.41	Dec. 1,'06	May 27,'07
Portland st...	Hampshire st.	Main st.....	Akron pipe, concrete & st'l	.....	63 x 69 41 x 46	8	5	.....	123	14.5	.....	1,075.00	1,288.00	19.71	25,387.16	Apr. 1,'07	Nov. 26,'07
Boylston st...	End old sewer	Parkway.....	Akron pipe..	.....	.....	8	.....	1	4	8	.....	129.30	.....	1.20	155.77	Apr. 10,'07	Apr. 17,'07
Windsor st...	Harvard st..	Westerly.....	" " ..	.....	10	8	1	.....	35	10	.....	229.85	219.85	2.52	597.63	May 6,'07	May 24,'07
Cogswell ave..	near Mead st.	Easterly.....	" " ..	.....	.....	15	2	.....	26	10	.....	441.82	.....	6.59	2,910.43	May 21,'07	J'ne 29,'07
River st.....	Blackstone st.	Westerly.....	" " ..	.....	.....	8	2	1	12	10	.....	339.35	.....	4.11	1,395.31	May 24,'07	J'ly 20,'07
Saginaw ave.	Davenport st.	"	" " ..	.....	.....	8	1	.....	10	9	.....	153.00	.....	.72	109.59	J'ne 24,'07	J'ly 6,'07
Second st....	Binney st....	Southerly....	" " ..	.....	15 & 10	8	1	.....	22	10.5	.....	333.00	333.00	16.41	*5,464.82	J'ne 26,'07	Sep. 14,'07
Davenport st.	Orchard st...	Mass. ave....	" " ..	.....	.....	8	.....	1	18	9.5	.....	280.60	.....	2.04	573.14	J'ne 27,'07	J'ly 16,'07
Allen st.....	Orchard st...	Mass. ave....	" " ..	.....	.....	8	1	.....	18	10	.....	249.85	.....	1.85	463.54	J'ly 17,'07	J'ly 31,'07
Homer ave. and Mt. Auburn st.....	Homer ave...	Easterly.....	" " ..	.....	.....	8	1	1	12	9.5	.....	340.00	.....	2.13	725.97	J'ly 30,'07	A'g. 14,'07
Bent st.....	First st.....	Westerly.....	" " ..	.....	12	8	.....	.....	32	10	.....	196.00	196.00	4.56	*893.86	A'g. 12,'07	A'g. 31,'07
Larch rd.....	Huron ave...	"	" " ..	8	.....	.....	.....	1	7	6.5	134.30	.....	.....	.93	125.50	A'g. 19,'07	A'g. 24,'07
Beech st.....	Mass. ave....	Som'ville line	" " ..	.....	.....	8	1	1	36	10	.....	508.05	.....	1.82	927.15	Sep. 11,'07	Sep. 29,'07
Rogers st.....	First st.....	Easterly.....	" " ..	.....	12	8	1	.....	36	7.5	.....	255.00	255.00	6.41	*1,634.24	Oct. 1,'07	Oct. 26,'07
Russell st....	Mass. ave....	Som'ville line	" " ..	.....	.....	8	1	.....	20	9.5	.....	291.00	.....	1.62	472.19	Oct. 7,'07	Oct. 14,'07
Miller ave.....	Orchard st...	Easterly.....	" " ..	.....	.....	8	2	.....	23	8	.....	314.60	.....	1.21	380.34	Oct. 11,'07	Oct. 21,'07
Tenney st....	Orchard st...	"	" " ..	.....	.....	8	1	1	25	8.5	.....	332.20	.....	1.05	349.49	Oct. 18,'07	Oct. 26,'07
Mead st.....	Cogswell ave.	Walden st...	" " ..	.....	.....	12	2	.....	19	15	.....	393.00	.....	4.76	1,869.22	Oct. 25,'07	Dec. 1,'07
Chilton st....	Vassal lane..	Huron ave...	" " ..	12-10-8	.....	.....	2	1	47	8	698.50	.....	.....	1.90	1,329.75	Oct. 25,'07	Nov. 26,'07
Massachusetts ave.....	Sidney st....	N'ly and E'ly	" " ..	.....	.....	8	1	.....	1	9.5	.....	125.00	.....	3.04	380.63	Oct. 28,'07	Unc'mpl'd
Wyeth terrace	Lex'gton ave.	Southerly....	C'nc'te & br'k	.....	.....	25 x 29½	1	.....	2	7	.....	100.00	.....	7.95	793.37	Nov. 19,'07	Unc'mpl'd

*Includes pile foundation.

Thirty-six catch basins have been built during the year at a total cost of $2,251.05. Of this amount, $824.62 has been paid by the Street Department.

One hundred and six catch basins have been repaired at a cost of $1,780.73. Four thousand seven hundred and four loads of material have been removed from 1,948 catch basins during the year at a cost of $5,070.78.

Thirteen persons have been licensed as drain-layers during the year. Permits have been granted for sewer repairs or connections as follows:—

For repairs	108	permits
For connection to combined sewers	160	"
For connection to sanitary sewers	2	"
For connection to storm sewers	2	"

A total of 164 permits for connections and 108 for repairs.

CAMBRIDGE SUBWAY OF THE BOSTON ELEVATED STREET RAILWAY COMPANY.

During the last winter various studies of the rearrangement of sewers in Main Street and Massachusetts Avenue preliminary to the construction of the subway were made in conjunction with the engineers of the Boston Elevated Street Railway Company, but no final plan of the work or method of carrying out the work has yet been adopted. A plan showing the location of the proposed subway and two stations was filed with the City June 28, 1907. The plan presented did not meet with the Mayor's approval and an appeal was taken by the Railroad Company to the Railroad Commissioners. A hearing was held by them on September 11, 1907, and on several subsequent dates. But little was accomplished, however, and there appearing such a wide divergence of views among the parties interested as to the meaning of some sections of the Act authorizing the construction of the subway, His Honor the Mayor, October 9, 1907, brought action to restrain the Railroad Commission from continuing the hearings until these disputed questions have been determined by the Supreme Court.

These matters are now being prepared for the hearing before the Court, which it is hoped will be held at an early day.

SEWER DEPARTMENT.

FINANCIAL.

Maintenance Appropriation		$20,000 00
Expended:—		
Catch basin repairs and opening	$1,780 73	
Cleaning catch basins	5,070 78	
Care of gates, etc.	1,064 20	
Cleaning sumps	169 28	
Cleaning and flushing sewers	1,719 30	
Man-hole repairs	205 76	
General expense	3,529 46	
Office expense	439 42	
Sewer repairing	3,724 84	
Stable expense	1,765 43	
Total		19,469 20
Balance		$530 80
Construction General Appropriation		$17,000 00
Expended:—		
Boylston Street	$155 77	
Windsor Street	597 63	
River Street	1,395 31	
Second Street	5,464 82	
Bent Street	893 86	
Mt. Auburn Street	725 97	
Larch Road	125 50	
Rogers Street	1,634 24	
Chilton Street	1,329 75	
Wyeth Terrace	793 37	
Banks Street	100 63	
New catch basins	1,426 43	
General expense	581 96	
Total		$15,225 24
Balance		$1,774 76
Separate System of Drainage: Appropriation		$26,509 32
Expended:—		
Railroad Street and private lands	$8,348 41	
Tenney Street	349 49	
Miller Avenue	380 34	
Somerville Avenue	2,053 94	
Russell Street	472 19	
Mead Street	1,869 22	
Cogswell Avenue	2,910 43	
Allen Street	463 54	
Beech Street	927 15	
Davenport Street	573 14	
Saginaw Avenue	109 59	
Columbia Street	391 62	
Massachusetts Avenue at Sidney Street	380 63	
Total		$19,229 69
Balance		$7,279 63

Portland Street Trunk Sewer: Appropriation			$28,000 00
Expended			25,387 16
Balance			$2,612 84
Gate Chambers: Appropriation			$5,000 00
Expended			2,831 50
Balance			$2,168 50
Revenue—Sewer Assessments	$2,790 89		
" Sundry receipts (maintenance)	265 99		
Total		$3,056 88	
Metropolitan Sewer Tax: Appropriation			$85,000 00
Sinking Fund requirements		$13,535 94	
Interest account		31,546 73	
Maintenance and operation		19,240 34	
			64,323 01

WATER WORKS.

Water wasted over the Stony Brook Dam as follows:—

December, 1906	
January, 1907	310,050,000 gallons
February, 1907	
March, 1907	444,550,000 "
April, 1907	677,800,000 "
May, 1907	321,500,000 "
June, 1907	121,200,000 "
July, 1907	
August, 1907	
September, 1907	
October, 1907	99,500,000 "
November, 1907	403,400,000 "

Total amount passing the dam during the year, 2,378,000,000 gallons.

TUNNELS UNDER BROAD CANAL.

Work on the three tunnels under Broad Canal, referred to in the report of 1906, was carried on during the winter and completed by the contractor, the Charles R. Gow Construction Company, April 25, 1907.

The total cost of the tunnels has been $22,992.32.

The First Street Tunnel is six feet in diameter and one hundred and fifty-six feet between the centers of shafts; the bottom of the tunnel is forty-five and one-half feet below the surface of the street. A sixteen-inch water pipe is laid in this tunnel.

The tunnel under Third Street is six and one-half feet in diameter and is one hundred and ten feet between the centers of shafts. The bottom of the tunnel is thirty-eight and one-half feet below the surface of the street. A thiry-inch gas pipe and a sixteen-inch water pipe have been placed in this tunnel.

The tunnel under Sixth Street is six feet in diameter and one hundred and ten feet between the centers of shafts. The bottom of the tunnel is thirty-seven feet below the surface of the street. A sixteen-inch gas pipe and a sixteen-inch water pipe are in this tunnel. The walls of all the tunnels are of brick work, twelve inches thick, laid in Portland cement.

TABLE SHOWING COMPARISON BY MONTHS OF THE TOTAL PRECIPITATION AT STONY BROOK BASIN, HOBBS BROOK BASIN, HARVARD OBSERVATORY AND CAMBRIDGE CITY HALL; ALSO, THE NUMBER OF DAYS IN WHICH RAIN FELL AT CITY HALL, DECEMBER 1, 1906, TO DECEMBER 1, 1907.

Point of Observation		1906	1907											
		Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Total.
Stony Brook Basin.	Total Precipitation.	4.51	3.06	1.98	2.02	3.49	3.55	2.52	1.64	1.58	8.35	3.52	6.09	41.32
Hobbs Brook Basin.	Total Precipitation.	4.15	2.53	1.61	1.92	3.37	3.08	2.80	1.90	1.47	7.67	3.30	5.40	39.20
Harvard Observatory.	Total Precipitation.	4.93	3.07	1.77	1.76	3.38	3.12	3.15	1.29	1.12	8.54	2.88	6.94	41.95
City Hall.	Total Precipitation.	4.81	2.91	2.86	2.66	3.46	3.38	3.64	1.71	1.77	8.70	3.16	6.70	45.76
	No. of days in which rain fell.	9	10	6	9	10	11	7	6	8	9	6	8	99

SUMMARY OF SEWERAGE STATISTICS.

(In form recommended by Sanitary Section of Boston Society Civil Engineers.)

For the year ending December 1, 1907,

CAMBRIDGE, MASSACHUSETTS.

GENERAL.

Population by census of 1905	97,434
Total area of city or town	6.535 sq. miles
Area served by sewerage system	about 6.00 " "
Collection system, for sewage only	19.481 miles
" " " sewage and surface water	110.219 miles
" " " surface water only	6.070 "

Method of disposal—Discharge into ocean by the Metropolitan (State) sewer.

COLLECTION.

MAINS (EVERYTHING BUT HOUSE AND CATCH BASIN CONNECTIONS).

	For sewage only.	For sewage and surface work.	For surface water only.
Lineal feet extended during the year	1.416	.158	.435

Method of flushing	By use of hydrant hose.
Method of cleaning	By scraping and flushing.

HOUSE CONECTION.

By whom made	By property owners.
Sizes	6-inch diameter.
Number made during year	164

CATCH BASINS.

Number	
Number cleaned	1,948
Average amount of material removed per catch basin	2.41 loads
Cost of removing material per cubic yard	$1 41
Cost of removing material per catch basin per year	2 54

DISCHARGE OF SEWAGE.

Estimated population using sewer system	97,000
Number of buildings connected	estimated at 15,000

FINANCIAL.

CONSTRUCTION.

Receipts.		Expenditures.	
Bonds issued . .	$70,000 00	Collection works:—	
Appropriation . .	76,509 32	(*a*) Mains . . .	$63,498 21
Assessments not available for expenditure	2,790 98	Balance . . .	$13,011 11
House connections .	.....		
Other sources . .	.....		
Total . . .	$76,509 32	Total . . .	$76,509 32

MAINTENANCE AND OPERATION.

Receipts.		Expenditures.	
Appropriation . .	$20,000 00	Administration . .	$4,204 85
		Repairs	5,711 33
		Cleaning sewers . .	2,236 64
		Cleaning catch basins	5,070 78
		Flushing sewers . .	716 14
		Unclassified expenses .	1,529 46
		Balance . . .	530 80
Total . . .	$20,000 00	Total . . .	$20,000 00
		Interest on bonds .	.....
		Sinking fund . .	.....

GENERAL.

Total cost of collecting mains	.....
Total cost of works to date	$2,058,499 48
Bonded debt at date	931,000 00
Value of sinking fund at date	.....
Average rate of interest on bonds 3 1-2 per cent.	
Proportion of cost of system assessed on abutters	Estimated at 3-4
Yearly assessment for maintenance	Nothing
Method of assesing abutters and rate of assessment	Based on frontage and area of lot within 100 feet of street

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The Engineering Department is organized as follows: —

City Engineer,
LEWIS M. HASTINGS.

Principal Assistant,
GEORGE DAVIS.

Assistants,
HENRY T. BURRAGE, office assistant and draughtsman.
G. FRANK HOOKER, in charge of Street work.
FRANK B. WILLIAMS, in charge of Sewer work.

Transitmen,

GIDEON H. CLOYES, JR. RAY L. COOLIDGE.

Rodmen,

EDGAR W. DAVIS. S. MAYBERRY BRYANT.

Clerk and Stenographer,
MARY E. ROWEN.

Superintendent of Sewers,
THEODORE L. PIKE.

Two temporary assistants in addition have been employed in the department during the summer.

Respectfully submitted,

L. M. HASTINGS,

City Engineer.

REPORT OF THE COMMISSIONERS OF THE SINKING FUNDS OF THE CITY.

To the Honorable, the City Council:—

The Commissioners of the several Sinking Funds of the City herewith submit their annual report, covering the year ending November 30, 1907. Our report shows the condition of the Sinking Funds under two divisions, first, Municipal; second, Water.

The following is the condition of the strictly Municipal Loans Funds:—

DR.

The amount of the Funds November 30. 1906, was	$1,040,298 98	
Received from the City of Cambridge the annual requirements as appropriated by the City Council for the several bonded loans .	177,273 04	
Interest received on invested funds . .	38,979 23	
		$1,256,551 25

CR.

Paid on account of maturing Cambridge bonds	$70,500 00	
Paid accrued interest on investments purchased	220 89	
Leaving the total amount of the Funds November 30, 1907	1,185,830 36	
		$1,256,551 25

The following figures show the condition of the Water Loan Fund:—

DR.

The amount of the Fund November 30, 1906, was	$1,507,749 85	
The amount received from the City Treasurer of Cambridge being the annual requirements for 1907, derived from the Water Rates	125,110 00	
Surplus received from Water Department, Maintenance Accounts	7,033 62	
Interest received on investments . . .	58,249 76	
		$1,698,143 23

CR.

Paid accrued interest on investments purchased	$978 55	
Paid premiums on investments purchased .	2,437 50	
Paid City Treasurer to meet maturing bonded debt	112,000 00	
Leaving amount of Fund November 30, 1907 .	1,582,727 18	
		$1,698,143 23

The following are the investments belonging to the Municipal Loans Funds:—

			Maturing			
Cambridge	City bonds	4s,	July	1, 1908	$14,000 00	
"	" "	3 1-2s,	Nov.	1, 1909	32,000 00	
"	" "	3 1-2s,	Nov.	1, 1911	36,000 00	
"	" "	3 1-2s,	Nov.	1, 1919	18,000 00	
"	" "	3 1-2s,	Nov.	1, 1921	27,000 00	
"	" "	3 1-2s,	July	1, 1922	5,000 00	
"	" "	4s,	Nov.	1, 1926	6,000 00	
"	" "	4s,	Sept.	1, 1927	5,000 00	
"	" "	4s,	Nov.	1, 1927	10,000 00	
"	" "	3 1-2s,	Nov.	1, 1929	42,000 00	
"	" "	4s,	Nov.	1, 1937	10,000 00	
"	" "	3 1-2s,	Jan.	1, 1943	6,000 00	
"	Temp'y Loan Notes.		May	1, 1908	100,000 00	
						$311,000 00
Watertown	Town bonds	3 1-2s,	Jan.	1, 1908	9,000 00	
Lynn	City "	4s,	May	1, 1908	5,000 00	
Somerville	" "	4s,	July	1, 1908	8,000 00	
Belmont	Town "	4s,	Oct.	1, 1908	15,000 00	
Medford	City "	4s,	Dec.	15, 1908	10,000 00	
New Bedford	" "	3 1-2s,	Feb.	1, 1909	40,000 00	
Lynn	" "	4s,	May	1, 1909	5,000 00	
Pawtucket, R. I.	" "	4s,	July	1, 1909	30,000 00	
Watertown	Town "	3 1-2s,	Aug.	1, 1909	15,000 00	
Lynn	City "	4s,	May	1, 1910	5,000 00	
Lynn	" "	4s,	May	1, 1911	5,000 00	
Beverly	" "	4s,	July	1, 1911	9,000 00	
Medford	" "	4s	July	1, 1911	26,000 00	
Rochester, N. Y.	" "	3 1-2s,	Jan.	1, 1912	50,000 00	
Lynn	" "	4s,	May	1, 1912	5,000 00	
Boston & Lowell R.R. Co.		4s,	Feb.	1, 1913	1,000 00	
Lynn	City bonds	4s,	May	1, 1913	5,000 00	
Lynn	" "	4s,	May	1, 1914	5,000 00	
Allegheny, Pa.	" "	3 1-2s,	Oct.	1, 1914	22,000 00	
Lynn	" "	4s,	May	1, 1915	5,000 00	
Medford	" "	4s,	July	1, 1915	23,000 00	
Allegheny, Pa.	" "	3 1-2s,	Oct.	1, 1915	22,000 00	
Watertown	Town "	3 1-2s,	Jan.	1, 1916	7,000 00	
Melrose	City "	4s,	Feb.	24, 1916	10,000 00	
Fall River	" "	4s,	Mar.	1, 1916	42,000 00	
Lynn	" "	4s,	May	1, 1916	5,000 00	
Brockton	" "	3 1-2s,	July	1, 1916	5,000 00	
Boston & Lowell R. R. Co.		4s,	July	1, 1916	10,000 00	
Fitchburg R. R. Co.		4s,	July	1, 1916	10,000 00	
Worcester	City bonds	4s,	July	1, 1916	35,000 00	
Allegheny, Pa.	" "	3 1-2s,	Oct.	1, 1916	22,000 00	
Watertown	Town "	3 1-2s,	Jan.	1, 1917	9,000 00	
Watertown	" "	3 1-2s,	Jan.	1, 1918	9,000 00	
Marlborough	" "	4s,	July	1, 1918	10,000 00	
Medford	City "	4s,	Aug.	1, 1918	50,000 00	
Watertown	Town "	3 1-2s,	Jan.	1, 1919	9,000 00	
Boston	City "	3 1-2s,	July	1, 1919	5,000 00	
Watertown	Town "	3 1-2s,	Jan.	1, 1920	9,000 00	
Stoughton	" "	4s,	June	1, 1920	2,000 00	
Watertown	" "	3 1-2s,	Jan.	1, 1921	9,000 00	
Amounts carried forward					$578,000 00	$311,000 00

Amounts brought forward						$578,000 00	$311,000 00
Watertown	Town bonds	3 1-2s,	Jan.	1,	1922	9,000 00	
Reading	" "	4s,	June	1,	1922	5,000 00	
Boston	City "	3 1-2s,	June	1,	1922	53,000 00	
Boston	" "	3 1-2s,	June	1,	1923	66,000 00	
Reading	Town "	4s,	June	1,	1923	5,000 00	
Medford	City "	4s,	July	1,	1923	2,000 00	
Old Colony R. R. Co.		4s,	Dec.	1,	1925	50,000 00	
Fitchburg R. R. Co.		4s,	Mar.	1,	1927	40,000 00	
							$808,000 00
							$1,119,000 00
Cash on hand							66,830 36
							$1,185,830 36

The following are the investments belonging to the Water Loan Funds:—

			Maturing				
Cambridge	City bonds	4s,	July	1,	1908	$1,000 00	
"	" "	3 1-2s,	Nov.	1,	1912	20,000 00	
"	" "	4s,	Feb.	1,	1913	2,000 00	
"	" "	3 1-2s,	May	1,	1913	5,500 00	
"	" "	3 1-2s,	May	1,	1915	12,500 00	
"	" "	3 1-2s,	May	1,	1916	11,500 00	
"	" "	4s,	Oct.	1,	1916	65,100 00	
"	" "	3 1-2s,	May	1,	1917	12,500 00	
"	" "	3 1-2s,	Dec.	1,	1917	40,000 00	
"	" "	3 1-2s,	May	1,	1919	12,500 00	
"	" "	3 1-2s,	Nov.	1,	1919	20,000 00	
"	" "	3 1-2s,	May	1,	1920	12,500 00	
"	" "	4s,	Nov.	1,	1920	5,000 00	
"	" "	3 1-2s,	May	1,	1921	12,500 00	
"	" "	3 1-2s,	May	1,	1922	12,500 00	
"	" "	3 1-2s,	May	1,	1923	12,500 00	
"	" "	3 1-2s,	May	1,	1924	12,500 00	
							$270,100 00
Hull	Town "	4s,	May	1,	1908	5,000 00	
Brockton	City "	3 1-2s,	Aug.	1,	1908	2,000 00	
Methuen	Town "	4s,	Aug.	1,	1908	10,000 00	
Greenfield	" "	3 1-2s,	Oct.	15,	1908	6,000 00	
Malden	City "	4s,	Nov.	1,	1908	5,000 00	
Troy, N. Y.	" "	3 1-2s,	Nov.	15,	1908	2,000 00	
W. Springfield	Town "	3 1-2s,	Dec.	1,	1908	12,000 00	
New Bedford	City "	3 1-2s,	Feb.	1,	1909	16,000 00	
Brockton	" "	3 1-2s,	Aug.	1,	1909	2,000 00	
Methuen	Town "	4s,	Aug.	1,	1909	15,000 00	
Greenfield	" "	3 1-2s,	Oct.	15,	1909	6,000 00	
Malden	City "	4s,	Nov.	1,	1909	5,000 00	
Fitchburg	" "	3 1-2s,	Nov.	1,	1909	8,000 00	
Essex, Co. of	County "	3 1-2s,	Nov.	8,	1909	5,000 00	
Troy, N. Y.	City "	3 1-2s,	Nov.	15,	1909	2,000 00	
Boston, Clinton, Fitchburg & New Bedford R. R. Co.		5s,	Jan.	1,	1910	100,000 00	
Revere	Town bonds	3 1-2s,	April	1,	1910	12,000 00	
Taunton	City "	3 1-2s,	June	1,	1910	21,000 00	
Amounts carried forward						$234,000 00	$270,100 00

Amounts brought forward					$234,000 00	$270,100 00
Newburyport	City	bonds	3 1-2s,	June 1, 1910	12,000 00	
Springfield	"	"	3 1-2s,	July 1, 1910	8,700 00	
Somerville	"	"	4s,	July 1, 1910	17,000 00	
Brockton	"	"	3 1-2s	Aug. 1, 1910	2,000 00	
Salem	"	"	3 1-2s,	Sept. 1, 1910	5,000 00	
Gloucester	"	"	3 1-2s,	Oct. 1, 1910	10,000 00	
Greenfield	Town	"	3 1-2s,	Oct. 15, 1910	6,000 00	
Fitchburg	City	"	3 1-2s,	Nov. 1, 1910	8,000 00	
Essex, Co. of	County	"	3 1-2s,	Nov. 8, 1910	5,000 00	
Troy, N. Y.	City	"	3 1-2s,	Nov. 15, 1910	2,000 00	
Revere	Town	"	3 1-2s,	April 1, 1911	4,000 00	
New Haven & Northampton R. R. Co.			5s,	April 1, 1911	50,000 00	
Holyoke	City	bonds	3 1-2s,	May 1, 1911	7,500 00	
Taunton	"	"	3 1-2s,	June 1, 1911	35,000 00	
Springfield	"	"	3 1-2s,	July 1, 1911	8,700 00	
Brockton	"	"	3 1-2s,	Aug. 1, 1911	2,000 00	
Newburyport	"	"	3 1-2s,	Sept. 1, 1911	2,000 00	
Salem	"	"	3 1-2s,	Sept. 1, 1911	5,000 00	
Greenfield	Town	"	3 1-2s,	Oct. 15, 1911	12,000 00	
Newton	City	"	3 1-2s,	Nov. 1, 1911	12,500 00	
Fitchburg	"	"	3 1-2s,	Nov. 1, 1911	8,000 00	
Troy, N. Y.	"	"	3 1-2s,	Nov. 15, 1911	2,000 00	
New Bedford	"	"	3 1-2s,	Mar 1, 1912	15,000 00	
Pittsburg, Pa.	"	"	3 1-4s,	April 1, 1912	10,000 00	
Holyoke	"	"	3 1-2s,	May 1, 1912	7,500 00	
Worcester	"	"	3 1-2s,	July 1, 1912	35,000 00	
Springfield	"	"	3 1-2s,	July 1, 1912	8,700 00	
Somerville	"	"	4s,	July 1, 1912	8,000 00	
Brockton	"	"	3 1-2s,	Aug. 1, 1912	2,000 00	
Newburyport	"	"	3 1-2s,	Sept. 1, 1912	7,000 00	
Salem	"	"	3 1-2s,	Sept. 1, 1912	5,000 00	
Wakefield	Town	"	4s,	Oct. 1, 1912	1,000 00	
Gloucester	City	"	3 1-2s,	Oct. 1, 1912	10,000 00	
Lynn	"	"	3 1-2s,	Oct. 1, 1912	3,000 00	
Fitchburg	"	"	3 1-2s,	Nov. 1, 1912	8,000 00	
Troy, N. Y.	"	"	3 1-2s,	Nov. 15, 1912	2,000 00	
Holyoke	"	"	3 1-2s,	May 1, 1913	7,500 00	
Newburyport	"	"	3 1-2s,	June 1, 1913	12,000 00	
Springfield	"	"	3 1-2s,	July 1, 1913	8,700 00	
Somerville	"	"	4s,	July 1, 1913	8,000 00	
Brockton	"	"	3 1-2s,	Aug. 1, 1913	2,000 00	
Newburyport	"	"	3 1-2s,	Sept. 1, 1913	7,000 00	
Salem	"	"	3 1-2s,	Sept. 1, 1913	5,000 00	
Gloucester	"	"	3 1-2s,	Oct. 1, 1913	10,000 00	
Fitchburg	"	"	3 1-2s,	Nov. 1, 1913	8,000 00	
Troy, N. Y.	"	"	3 1-2s,	Nov. 15, 1913	2,000 00	
Holyoke	"	"	3 1-2s,	May 1, 1914	7,500 00	
Springfield	"	"	3 1-2s,	July 1, 1914	6,700 00	
Somerville	"	"	4s,	July 1, 1914	8,000 00	
Salem	"	"	3 1-2s,	Sept. 1, 1914	5,000 00	
Newburyport	"	"	3 1-2s,	Sept. 1, 1914	7,000 00	
Troy, N. Y.	"	"	3 1-2s,	Nov. 15, 1914	2,000 00	
Lynn	"	"	4s,	Jan. 1, 1915	16,000 00	
Revere	Town	"	3 1-2s,	April 1, 1915	1,000 00	
Weymouth	"	"	3 1-2s,	May 1, 1915	2,500 00	
Holyoke	City	"	3 1-2s,	May 1, 1915	7,500 00	
Amounts carried forward					$714,000 00	$270,100 00

Amounts brought forward					$714,000 00	$270,100 00
Newburyport	City bonds	3 1-2s,	June	1, 1915	12,000 00	
Springfield	" "	3 1-2s,	July	1, 1915	5,700 00	
Somerville	" "	4s,	July	1, 1915	8,000 00	
Brockton	" "	3 1-2s,	Aug.	1, 1915	1,000 00	
West End Street Railway,		4s,	Aug.	1, 1915	9,000 00	
Newburyport	City bonds	3 1-2s,	Sept.	1, 1915	7,000 00	
Salem	" "	3 1-2s,	Sept.	1, 1915	5,000 00	
Gloucester	" "	3 1-2s,	Oct.	1, 1915	10,000 00	
Troy, N. Y.	" "	3 1-2s,	Nov.	15, 1915	2,000 00	
Weymouth	Town "	3 1-2s,	May	1, 1916	2,500 00	
Holyoke	City "	3 1-2s,	May	1, 1916	7,500 00	
Springfield	" "	3 1-2s,	July	1, 1916	3,500 00	
Somerville	" "	4s,	July	1, 1916	8,000 00	
Salem	" "	3 1-2s,	Sept.	1, 1916	5,000 00	
Gloucester	" "	3 1-2s,	Oct.	1, 1916	10,000 00	
West End Street Railway,		4s,	Feb.	1, 1917	3,000 00	
Wellesley	Town bonds	4s,	Mar.	1, 1917	2,000 00	
Waltham	City "	4s,	April	1, 1917	24,000 00	
Revere	Town "	3 1-2s,	April	1, 1917	12,000 00	
Weymouth	" "	3 1-2s,	May	1, 1917	2,500 00	
Holyoke	City "	3 1-2s,	May	1, 1917	7,500 00	
Salem	" "	3 1-2s,	Sept.	1, 1917	5,000 00	
Gloucester	" "	3 1-2s,	Oct.	1, 1917	10,000 00	
New Bedford	" "	4 1-2s,	Oct.	1, 1917	75,000 00	
Hallowell, Me .	" "	4s,	Jan.	1, 1918	15,000 00	
Wellesley	Town "	4s,	Mar.	1, 1918	1,000 00	
Weymouth	" "	3 1-2s,	May	1, 1918	2,500 00	
Holyoke	City "	3 1-2s,	May	1, 1918	7,500 00	
Salem	" "	3 1-2s,	Sept.	1, 1918	5,000 00	
Gloucester	" "	3 1-2s,	Oct.	1, 1918	10,000 00	
Weymouth	Town "	3 1-2s,	May	1, 1919	2,500 00	
Newburyport	City "	3 1-2s,	June	1, 1919	11,000 00	
Salem	" "	3 1-2s,	Sept.	1, 1919	5,000 00	
Boston	" "	3 1-2s,	Oct.	1, 1919	6,000 00	
Revere	Town "	3 1-2s,	April	1, 1920	2,000 00	
Weymouth	" "	3 1-2s,	May	1, 1920	2,500 00	
Penobscot Shore Line R.R. Co.		4s,	Aug.	1, 1920	25,000 00	
Fitchburg R. R. Co.		3 1-2s,	Oct.	1, 1920	50,000 00	
Revere	Town bonds	3 1-2s,	April	1, 1922	7,000 00	
Quincy	City "	4s,	May	1, 1923	2,000 00	
Quincy	" "	4s,	May	1, 1924	1,000 00	
Rochester, N. Y.	" "	3 1-2s,	July	1, 1924	35,000 00	
Quincy	" "	4s,	May	1, 1925	2,000 00	
Quincy	" "	4s,	May	1, 1926	3,000 00	
Quincy	" "	4s,	May	1, 1927	3,000 00	
Attleborough	Town "	4s,	July	1, 1927	10,000 00	
Quincy	City "	4s,	May	1, 1928	3,000 00	
Winchester	Town "	4s,	June	1, 1928	6,000 00	
Quincy	City "	4s,	May	1, 1929	3,000 00	
Fall River	" "	3 1-2s,	Nov.	1, 1929	75,000 00	
Quincy	" "	4s,	May	1, 1930	3,000 00	
Quincy	" "	4s,	May	1, 1931	3,000 00	
Quincy	" "	4s,	May	1, 1932	1,000 00	
Newton	" "	4s,	Aug.	1, 1935	2,000 00	
Newton	" "	4s,	July	1, 1936	11,000 00	
Grafton	Town "	3 1-2s,	July	1, 1937	1,000 00	
Amounts carried forward					$1,267,200 00	$270,100 00

Amounts brought forward				$1,267,200 00	$270,100 00
Old Colony R. R. Co.	4s,	Jan.	1, 1938	25,000 00	
Grafton	Town bonds 3 1-2s,	July	1, 1938	2,000 00	
Grafton	" " 3 1-2s,	July	1, 1939	2,000 00	
					$1,296,200 00
					$1,566,300 00
Cash on hand					16,427 18
					$1,582,727 18

The Committee appointed to audit the accounts of the Treasurer of the Funds reports that his accounts are correct and properly vouched and his books are well kept. The cash, interest and bond transactions of the Treasurer, have been carefully computed independently of his books and the correctness of his accounts thereby proved.

MUNICIPAL LOAN FUNDS.

BOND ACCOUNT.

Amount of bonds in the Fund, November 30, 1906	$1,035,000 00		
Amount of bonds purchased during the year .	99,000 00		
Amount of City of Cambridge notes purchased during the year	100,000 00		
		$1,234,000 00	
Amount of bonds matured during the year .			115,000 00
Amount of bonds and notes (at par value) in the Fund November 30, 1907			$1,119,000 00

CASH ACCOUNT.

Cash on hand November 30, 1906	$5,298 98		
Cash received from City Treasurer from taxation . . .	177,273 04		
Cash received for interest on investments	38,979 23		
Cash received for matured bonds	115,000 00		
		$336,551 25	
Cash paid for bonds purchased (par value) . . .	$99,000 00		
Cash paid for accrued interest on bonds purchased . .	220 89		
Cash paid for City of Cambridge note due May 3, 1908 .	100,000 00		
Cash paid City Treasurer to redeem municipal bonds falling due this year . .	70,500 00		
		$269,720 89	
Cash on hond November 30, 1907			66,830 36
Total amount of Municipal Sinking Fund November 30, 1907			$1,185,830 36

WATER LOAN FUND.

BOND ACCOUNT.

Amount of bonds in the Fund November 30, 1906	$1,506,300 00	
Amount of bonds purchased during the year .	115,000 00	
		$1,621,300 00
Amount of bonds matured during the year .		55,000 00
Amount of bonds (at par value) in the Fund November 30, 1907		$1,566,300 00

CASH ACCOUNT.

Cash on hand November 30, 1907 .	$1,449 85	
Cash received from City Treasurer for water rates, fines, etc.	132,143 62	
Cash received for interest on investments	58,249 76	
Cash received for matured bonds	55,000 00	
	$246,843 23	
Cash paid for bonds purchased (par value) . . .	115,000 00	
Cash paid for premium on bonds purchased	2,437 50	
Cash paid for accrued interest on bonds purchased . .	978 55	
Cash paid to City Treasurer to redeem water bonds falling due this year . . .	112,000 00	
	$230,416 05	
Cash on hand November 30, 1907		$16,427 18
Total value of Water Loan Sinking Fund (at par value) November 30, 1907 . . .		$1,582,727 18

FRANK A. ALLEN,
GEORGE G. WRIGHT, } *Auditing Committee.*

Municipal Bonds amounting to $309,000.00 have been issued during this year. Bonds to the amount of $70,500 matured this year and were paid from this Fund as they became due. The total amount of the Funded Municipal Debt, exclusive of the Water Debt, now outstanding is $6,896,350.00. Deducting the present amount of the Sinking Fund ($1,185,830.36) leaves the net amount of the Municipal Funded Debt, November 30, 1907, $5,710,519.64. This shows a net increase of $92,968.62 during the current year. There will be due to this Fund from taxation in 1908 the sum of $180,230.37. Municipal Bonds, amounting to $4,900.00, will mature during the year 1908, and will be paid from this Fund.

The property valuation, real and personal, of the City for 1907,

as declared by the Assessors, is $107,009,290.00, an increase of $1,856,055.00 over the valuation of 1906.

Cambridge Water Bonds to the amount of $74,000.00 were issued this year. Bonds on this account to the amount of $124,500.00 matured this year; $112,000.00 of this was paid from this Fund as it fell due. The balance $12,500.00 being a "Serial" Bond, was paid by the City Treasurer from the income of the Water Department. The total amount of the Funded Water Debt now outstanding is $3,820,600.00. Deducting the value of the Sinking Fund, $1,582,727.18, leaves the net Water Debt, November 30, 1907, $2,237,872 82, which shows a reduction of $125,477.33 from the net Debt one year ago.

During the year 1908 Water Bonds to the amount of $83,000.00 mature. Of this amount $12,500.00 "Serial" Bonds, being outside the Sinking Fund requirements, will be paid by the City Treasurer from income of Water Department. The balance, $71,000.00, will be paid from this Fund as it falls due.

There will be due to this Fund next year, from water rates, fines, etc., $122,538.00.

FRANK A. ALLEN,
GEO. H. HOWARD,
GUSTAVUS GOEPPER,
GEORGE G. WRIGHT,
THOMAS F. ROYLE,
AUSTIN FORD.

Commissioners of the Sinking Funds of the City of Cambridge

The bonded City Debt matures as follows, viz.:—

Aug. 1, 1908,	City	3 1-2s	$4,900 00
July 1, 1909,	City	3 1-2s	45,000 00
Nov. 1, 1909,	Sewer	4s	22,000 00
Nov. 1, 1909,	City	3 1-2s	32,000 00
May 1, 1910,	Sewer	4s	15,000 00
Nov. 1, 1910,	Cemetery	3 1-2s	7,000 00
Nov. 1, 1910,	City	3 1-2s	36,000 00
July 1, 1911,	Sewer	4s	15,000 00
July 1, 1911,	Clay Land	4s	50,000 00
Nov. 1, 1911,	City	3 1-2s	36,000 00
July 1, 1912,	City	3 1-2s	38,000 00
Nov. 1, 1912,	Clay Land	3 1-2s	20,000 00
Nov. 1, 1912,	City	3 1-2s	20,000 00
Aug. 1, 1913,	Clay Land	3 1-2s	10,000 00
July 1, 1914,	Clay Land	3 1-2s	17,000 00
Aug. 1, 1914,	Building	4s	118,000 00
Aug. 1, 1914	Street	4s	30,000 00
Amount carried forward			$515,900 00

Amount brought forward			$515,900 00
Oct. 1, 1915,	Building	4s	60,000 00
Oct. 1, 1915,	Street	4s	60,000 00
July 1, 1916,	Building	4s	70,000 00
Oct. 1, 1916,	Street	4s	137,000 00
Oct. 1, 1916,	Building	4s	33,000 00
Oct. 1, 1916,	Sewer	4s	75,000 00
Oct. 1, 1916,	Schoolhouse	4s	6,000 00
July 1, 1917,	Schoolhouse	3 1-2s	100,000 00
Oct. 1, 1917,	Harvard Bridge	4s	10,000 00
May 2, 1918,	Schoolhouse	3 1-2s	100,000 00
May 2, 1918,	Street	3 1-2s	15,000 00
June 1, 1918	Schoolhouse	3 1-2s	50,000 00
July 1, 1918,	Harvard Bridge	4s	100,000 00
Aug. 1, 1918,	Schoolhouse	3 1-2s	142,000 00
Sept. 1, 1918,	Harvard Bridge	4s	100,000 00
Mar. 1, 1919,	Harvard Bridge	4s	115,000 00
July 1, 1919,	Schoolhouse	3 1-2s	42,000 00
Nov. 1, 1919,	Street	3 1-2s	5,000 00
Nov. 1, 1919,	Schoolhouse	3 1-2s	13,000 00
Nov. 1, 1920,	Harvard Bridge	4s	5,000 00
Nov. 1, 1920,	Street	3 1-2s	21,000 00
July 1, 1921,	Harvard Bridge	4s	60,000 00
July 1, 1921,	Street	3 1-2s	30,000 00
July 1, 1921,	Cambridge Bridge	3 1-2s	24,000 00
July 1, 1921,	Schoolhouse	3 1-2s	76,000 00
Nov. 1, 1921,	Public Library	3 1-2s	27,000 00
July 1, 1922,	Hospital	3 1-2s	6,000 00
July 1, 1922,	Schoolhouse	3 1-2s	86,500 00
July 1, 1922,	Street	3 1-2s	30,000 00
Oct. 1, 1922,	Schoolhouse	3 1-2s	11,000 00
Nov. 1, 1922,	Street	3 1-2s	14,000 00
Apr. 1, 1923,	Street	3 1-2s	4,000 00
Apr. 1, 1923,	Building	3 1-2s	3,000 00
Aug. 1, 1923,	Harvard Bridge	4s	10,000 00
Oct. 1, 1923,	Schoolhouse	3 1-2s	80,000 00
Nov. 2, 1923,	Street	3 1-2s	12,000 00
Feb. 1, 1924,	Park	4s	360,000 00
Apr. 1, 1924,	Building	3 1-2s	25,000 00
Apr. 1, 1924,	Schoolhouse	3 1-2s	80,000 00
May 1, 1924,	Building	3 1-2s	5,000 00
Aug. 1, 1924,	Sewer	4s	75,000 00
Sept. 1, 1924,	Street	3 1-2s	59,000 00
Nov. 1, 1924,	Building	3 1-2s	6,000 00
Nov. 1, 1924,	Schoolhouse	3 1-2s	20,000 00
Nov. 1, 1924,	Street	3 1-2s	6,500 00
May 1, 1925,	Street	3 1-2s	5,000 00
May 1, 1925,	Street	3 1-2s	50,000 00
May 1, 1925,	Street	3 1-2s	25,000 00
May 1, 1925,	Street	3 1-2s	4,000 00
May 1, 1925,	Schoolhouse	3 1-2s	20,000 00
May 1, 1925,	Schoolhouse	3 1-2s	950 00
Aug. 1, 1925,	Schoolhouse	3 1-2s	20,000 00
Oct. 1, 1925,	Sewer	4s	60,000 00
Nov. 1, 1925,	Street	3 1-2s	1,500 00
May 1, 1926,	Street	4s	100,000 00
Aug. 1, 1926,	Park	4s	100,000 00
Amount carried forward			$3,271,350 00

Amount brought forward			$3,271,350 00
Aug. 1, 1926,	Schoolhouse	4s	47,000 00
Aug. 1, 1926,	Street	4s	22,000 00
Oct. 1, 1926,	Park	4s	40,000 00
Apr. 1, 1927,	Street	4s	40,000 00
June 1, 1927,	Street	4s	19,000 00
Sept. 1, 1927,	Street	4s	25,000 00
Sept. 1, 1927,	Building	4s	30,000 00
Nov. 1, 1927,	Street	4s	10,000 00
Nov. 1, 1929,	Sewer	3 1-2s	42,000 00
July 1, 1930,	Sewer	3 1-2s	100,000 00
Aug. 1, 1931,	Sewer	3 1-2s	110,000 00
Aug. 1, 1932,	Metropolitan Park Assessment	3 1-2s	46,000 00
Nov. 1, 1932,	Sewer	3 1-2s	20,000 00
Apr. 1, 1933,	Sewer	3 1-2s	40,000 00
Oct. 1, 1933,	Sewer	3 1-2s	20,000 00
May 1, 1934,	Cambridge Bridge—Special Loan	3 1-2s	28,000 00
May 1, 1934,	Sewer	3 1-2s	112,000 00
Nov. 1, 1934,	Sewer	3 1-2s	5,000 00
May 1, 1935,	Sewer	3 1-2s	90,000 00
Aug. 1, 1935,	Park	4s	100,000 00
Feb. 1, 1936,	Park	4s	100,000 00
May 1, 1936,	Sewer	4s	35,000 00
Sept. 1, 1936,	Sewer	4s	25,000 00
Apr. 1, 1937,	Sewer	4s	60,000 00
Sept. 1, 1937,	Park	3 1-2s	100,000 00
Nov. 1, 1937,	Charles River Improvement	3 1-2s	50,000 00
Nov. 1, 1937,	Sewer	4s	10,000 00
June 1, 1938,	Park	3 1-2s	50,000 00
Aug. 1, 1938,	Park	"	50,000 00
Aug. 1, 1938,	Charles River Improvement	3 1-2s	50,000 00
July 1, 1939,	Cambridge Bridge	3 1-2s	50,000 00
Aug. 1, 1939,	Park	3 1-2s	100,000 00
July 1, 1940,	Cambridge Bridge	3 1-2s	100,000 00
July 1, 1940,	Park	3 1-2s	50,000 00
Nov. 1, 1940,	Park	3 1-2s	50,000 00
Feb. 1, 1941,	Cambridge Bridge	3s	100,000 00
Oct. 1, 1941,	Park	3 1-2s	100,000 00
Nov. 1, 1941,	Cambridge Bridge	3 1-2s	100,000 00
July 1, 1942,	Park	3 1-2s	48,000 00
Aug. 1, 1942,	Cambridge Bridge	3 1-2s	100,000 00
Jan. 1, 1943,	Cambridge Bridge	3 1-2s	50,000 00
Apr. 1, 1943,	Cambridge Bridge	3 1-2s	50,000 00
Apr. 1, 1943,	Park	3 1-2s	50,000 00
Aug. 1, 1943,	Cambridge Bridge	3 1-2s	50,000 00
Jan. 1, 1944,	Cambridge Bridge	3 1-2s	100,000 00
May 1, 1944,	Cambridge Bridge	3 1-2s	200,000 00
Aug. 1, 1944,	Cambridge Bridge	3 1-2s	100,000 00
Sept. 1, 1944,	Cambridge Bridge	3 1-2s	50,000 00
Sept. 1, 1944,	Park	3 1-2s	25,000 00
Nov. 1, 1944,	Park	3 1-2s	6,000 00
Apr. 1, 1945,	Park	3 1-2s	5,000 00
Amount carried forward			$6,231,350 00

Amount brought forward			$6,231,350 00	
May 1, 1945,	Park	3 1-2s	30,000 00	
May 1, 1945,	Park	3 1-2s	15,000 00	
May 1, 1945,	Cambridge Bridge . .	3 1-2s	10,000 00	
May 1, 1945,	Cambridge Bridge . .	3 1-2s	21,000 00	
May 1, 1945,	Cambridge Bridge . .	3 1-2s	19,000 00	
May 1, 1945,	Cambridge Bridge . .	3 1-2s	100,000 00	
Aug. 1, 1945,	Park	3 1-2s	5,000 00	
Dec. 1, 1945,	Cambridge Bridge . .	3 1-2s	100,000 00	
Jan. 1, 1946,	Cambridge Bridge . .	3 1-2s	20,000 00	
Aug. 1, 1946,	Cambridge Bridge . .	4s	150,000 00	
Aug. 1, 1946,	Commercial Ave. Bridge	4s	50,000 00	
Sept. 1, 1946,	Park	4s	25,000 00	
Sept. 1, 1946,	Cambridge Bridge . .	4s	5,000 00	
Jan. 1, 1947,	Cambridge Bridge . .	4s	50,000 00	
July 1, 1947,	Cambridge Bridge . .	4s	40,000 00	
Oct. 1, 1947,	Cambridge Bridge . .	4s	15,000 00	
Oct. 1, 1947,	Park	4s	10,000 00	
				$6,896,350 00

The bonded Water Debt matures as follows:—

May 1, 1908 . . .	3 1-2s . . .	12,500 00	
July 1, 1908 . . .	4s . . .	46,000 00	
Aug. 1, 1908 . . .	4s . . .	25,000 00	
May 1, 1909 . . .	3 1-2s . . .	12,500 00	
July 1, 1909 . . .	4s . . .	20,000 00	
May 1, 1910 . . .	3 1-2s . . .	12,500 00	
May 2, 1910 . . .	4s . . .	288,000 00	
July 1, 1910 . . .	4s . . .	75,000 00	
Sept. 1, 1910 . . .	4s . . .	125,000 00	
Jan. 1, 1911 . . .	4s . . .	20,000 00	
May 1, 1911 . . .	3 1-2s . . .	12,500 00	
Oct. 1, 1911 . . .	4s . . .	35,000 00	
Jan. 1, 1912 . . .	4s . . .	150,000 00	
May 1, 1912 . . .	4s . . .	75,000 00	
May 1, 1912 . . .	3 1-2s . . .	12,500 00	
Nov. 1, 1912 . . .	4s . . .	45,000 00	
Feb. 1, 1913 . . .	4s . . .	100,000 00	
May 1, 1913 . . .	3 1-2s . . .	12,500 00	
Aug. 1, 1913 . . .	4s . . .	50,000 00	
May 1, 1914 . . .	3 1-2s . . .	12,500 00	
Apr. 1, 1915 . . .	4s . . .	200,000 00	
May 1, 1915 . . .	3 1-2s . . .	12,500 00	
Aug. 1, 1915 . . .	4s . . .	200,000 00	
Apr. 1, 1916 . . .	4s . . .	100,000 00	
May 1, 1916 . . .	3 1-2s . . .	12,500 00	
July 1, 1916 . . .	4s . . .	200,000 00	
Aug. 1, 1916 . . .	4s . . .	100,000 00	
Oct. 1, 1916 . . .	4s . . .	265,100 00	
Apr. 1, 1917 . . .	3 1-2s . . .	200,000 00	
May 1, 1917 . . .	3 1-2s . . .	12,500 00	
July 1, 1917 . . .	3 1-2s . . .	100,000 00	
Nov. 1, 1917 . . .	3 1-2s . . .	75,000 00	
Dec. 1, 1917 . . .	3 1-2s . . .	140,000 00	
May 1, 1918 . . .	3 1-2s . . .	12,500 00	
Amount carried forward		$2,771,600 00	

Amount brought forward			$2,771,600 00	
May 2, 1918 . . .	3 1-2s . . .		50,000 00	
June 1, 1918 . . .	3 1-2s . . .		60,000 00	
Nov. 1, 1918 . . .	3 1-2s . . .		50,000 00	
May 1, 1919 . . .	3 1-2s . . .		12,500 00	
Nov. 1, 1919 . . .	3 1-2s . . .		23,000 00	
May 1, 1920 . . .	3 1-2s . . .		12,500 00	
Nov. 1, 1920 . . .	3 1-2s . . .		30,000 00	
May 1, 1921 . . .	3 1-2s . . .		12,500 00	
July 1, 1921 . . .	3 1-2s . . .		30,000 00	
May 1, 1922 . . .	3 1-2s . . .		12,500 00	
July 1, 1922 . . .	3 1-2s . . .		13,500 00	
Nov. 1, 1922 . . .	3 1-2s . . .		5,000 00	
May 1, 1923 . . .	3 1-2s . . .		12,500 00	
Apr. 1, 1924 . . .	4s . . .		300,000 00	
May 1, 1924 . . .	3 1-2s . . .		12,500 00	
May 1, 1925 . . .	3 1-2s . . .		12,500 00	
May 1, 1925 . . .	3 1-2s . . .		15,000 00	
May 1, 1925 . . .	3 1-2s . . .		26,000 00	
May 1, 1925 . . .	3 1-2s . . .		5,000 00	
May 1, 1936 . . .	4s . . .		280,000 00	
June 1, 1937 . . .	4s . . .		49,000 00	
July 1, 1937 . . .	4s . . .		25,000 00	
			————	$3,820,600 00

REPORT OF THE COMMITTEE ON FINANCE.

The annual report of the Committee on Finance is herewith submitted, it being for the financial year ending November 30, 1907.

Following is a summarized statement of the annual estimates as reported by this Committee at the beginning of the year.

ESTIMATE OF REVENUE, 1907.

City Department Account	$173,714 03
Water Department Accounts	370,000 00
Other revenue	188,338 30
Cash in Treasury December 1, 1906,	163,090 20
	$895,142 53

TOTAL AMOUNT OF APPROPRIATIONS RECOMMENDED.

	Revenue.	Expenses.
City Department Accounts	$173,714 03	$2,625,374 13
Water Department Accounts	370,000 00	149,300 00
	$543,714 03	$2,774,674 13

GENERAL RECAPITULATION.

Total estimate of expenses as before stated	2,774,674 13
Estimate of revenue and cash in Treasury	895,142 53
Leaving an amount to be provided for	$1,879,531 60

It was recommended to meet the foregoing requirements:—

1.—The issue of funded loans:—		
Sewer Loan	$60,000 00	
Street Loan	59,000 00	
Water Loan	49,000 00	
Bridge Loan	50,000 00	
Schoolhouse Loan	2,500 00	
	$220,500 00	
2.—By assessment upon the Polls and Estates of the Inhabitants of Cambridge for the current year, being the amount required for municipal expenses for the year	1,659,031 60	
		$1,879,531 60

The foregoing estimates were reported to the City Council, February 26, which body made changes in sundry appropriations as follows:—

City Hall:—General Expenses	$9,000 00	increased to	$11,500 00	$2,500 00	
City Home:—Hospital	1,500 00	" "	1,600 00	100 00	
State Aid:—Soldiers' Relief	26,000 00	" "	27,000 00	1,000 00	
Snow Removal	8,000 00	" "	9,000 00	1,000 00	
Cambridge Field and Shelter	5,500 00	" "	6,000 00	500 00	
Independence Day	1,500 00	" "	1,700 00	200 00	
Fresh Pond Reservoir:—Sanitary, etc.	1,500 00	" "	3,000 00	1,500 00	
Public Library, Main Library:—Salaries	9,500 00	" "	11,000 00	1,500 00	
Public Library, No. Cambridge Branch:—Salaries	1,000 00	" "	1,200 00	200 00	
Public Library, Main Library:—General Expenses	5,085 97	decreased to	4,585 97*	500 00	
Net increase					$8,000 00
Total amount of appropriations and liabilities estimated by Committee					2,774,674 13
Additional appropriations as above stated					8,000 00
Less					$2,782,674 13
Estimate of revenue before stated			$895,142 53		
Add increase of appropriation Fresh Pond Reservoir			1,500 00		
Corrected estimate of revenue					896,642 53
					$1,886,031 60
Amount of loans to be recommended			$220,500 00		
Net sum to be raised by taxation			1,665,531 60		
					$1,886,031 60
Amount recommended by this Committee to be raised by taxation					1,659,531 60
Net additions by City Council					6,000 00
Amended order for assessment, etc.					$1,665,531 60

*Decrease.

In accordance with the foregoing estimates, the usual orders were reported February 27, 1907, viz.:—

1.—General order appropriating the various sums stated under the several heads, amounting to the sum of		$2,774,674 13	
2.—Assessment upon Polls, etc.			1,659,031 60
LOAN ORDERS.			
3.—Sewers:—General Construction	$35,000 00		
Separate System	25,000 00		
		60,000 00	
4.—Streets:—Construction		59,000 00	
Amounts carried forward		$119,000 00	$1,659,031 60

Amounts brought forward	$119,000 00	$1,659,031 60
5.—Water Works:—Construction— under Acts of 1894 . .	49,000 00	
6.—Bridge Loan (Dec. 19, 1905)	50,000 00	
7.—Schoolhouse Loan . . .	2,500 00	
		220,500 00
		$1,879,531 60
Afterwards added by City Council		6,000 00
		$1,885,531 60

Other loan recommendations were made by the Committee during the financial year to meet appropriations not in the annual budget:—

1906—Dec. 4, Schoolhouse Loan	$2,500 00
Dec. 4, Water Loan	10,000 00
Dec. 19, Water Loan	10,000 00
1907—Feb. 12, Street Loan	5,000 00
Mar. 12, Street Loan	32,000 00
June 11, Cambridge Bridge Loan	40,000 00
June 16, Street Loan	25,000 00
June 16, Building Loan (Incinerator) . . .	30,000 00
June 25, Water Loan	25,000 00
Sept. 17, Schoolhouse Loan (not authorized) . . .	2,000 00
Sept. 24, Street Loan	10,000 00
Sept. 24, Park Loan	10,000 00
Oct. 15, Sewer Loan	10,000 00
Total not in budget	$211,500 00

The discrepancy between the figures of the loans recommended may be accounted for by the fact that some of the recommendations were not adopted, and two small loans authorized were not negotiated.

Of all the loans recommended, as above recited, bonds were issued as stated in the final monthly sheet of the City Auditor as follows:—

Building Loan	$30,000 00
Cambridge Bridge	105,000 00
Park	10,000 00
Sewer	70,000 00
Street	94,000 00
Water	74,000 00
	$383,000 00

Following the usual custom at the close of a financial year, a Sub-Committee of three members was appointed to count the cash in the treasury, and examine the Treasurer's accounts at the close of business, Saturday, November 30. Alderman Henderson, Council-

men Chamberlain and Winslow were appointed, and their report is as follows:—

To the Committee on Finance:—

GENTLEMEN:—The Sub-Committee appointed to count and examine the cash in the hands of the City Treasurer at the close of business on November 30, 1907, would respectfully report:—

November 30, 1907.—Actual cash and business checks in City Treasurer's office amount to		$10,933 44	
Also six certificates of deposit, showing balances at close of business November 30, 1907, to the credit of the City Treasurer, as follows:			
1.—Harvard Trust Co. of Cambridge	$48,364 29		
Deduct from this checks not presented for payment . .	2,330 59		
Making net balance in above		46,033 70	
2.—Cambridge Trust Co. of Cambridge	$31,551 06		
Deduct from this checks not presented for payment .	11,112 67		
Making net balance in above		20,438 39	
3.—Central Trust Co. of Cambridge		28,390 55	
4.—Charles River National Bank of Cambridge . . .	$24,913 80		
Deduct from this checks not presented for payment .	7,424 00		
Making net balance in above		17,489 80	
5.—National City Bank of Cambridge	$18,607 73		
Deduct from this checks not presented for payment .	3,466 50		
Making net balance in above		15,141 23	
6.—Lechmere National Bank of Cambridge	$19,450 45		
Deduct from this checks not presented for payment .	4,056 00		
Making net balance in above		15,394 45	
Making total cash on hand . .			$153.821 56
Amount carried forward . .			$153,821 56

Amount brought forward . .			$133,821 56
December 10, 1907.—After the above examination by your Committee, certain additional entries belonging to the financial year of 1907, were made. the receipts and expenditures which these same represent being as follows:—			
RECEIPTS.			
Account of City Home . .		$14 80	
Account of City Home Hospital .		76 85	
Account of City Farm . .		161 25	
Account of House Offal . .		437 04	
Account of Bridges—Street Dept.		2,098 00	
Account of Street Railway Tax .		11,478 26	
Account of Taxes—1906 . .		734 70	
Account of Taxes—1907—Polls .		324 00	
Account of Taxes—1907—Personal Estate		1,863 08	
Account of Taxes—1907—Real Estate		8,661 16	
Account of Assessments for Street Sprinkling—Taxes 1906 .		7 90	
Account of Assessments for Street Sprinkling—Taxes 1907 .		240 84	
Account of Assessments for Moth Extermination—Taxes 1906		4 00	
Account of Assessments for Moth Extermination—Taxes 1907		16 40	
Account of Interest:—			
On Additional Collections—Taxes 1906	$25 83		
On Additional Collections—Taxes 1907	41 19		
		67 02	
Account of Treasury Department:—			
Summonses on Taxes—1906 .	2 30		
Summonses on Taxes—1907 .	16 20		
		18 50	
Account of Building Loan—Bond Issue		5,000 00	
Account of Street Loan—Bond Issue		10,000 00	
Account of Sewer Loan—Bond Issue		10,000 00	
Account of Temporary Loan—City Note		20,000 00	
Additional cash received from Sinking Fund Commissioners		25,000 00	
A total of			$96,203 80
Which added to City Treasurer's cash balance as above makes a total of			$250,025 36
Amount carried forward . .			$250,025 36

Amounts brought forward . .			$250,025 36
EXPENDITURES.			
Authorized additional payments as of November 30, 1907:—			
Account of weekly pay-roll draft, No. 191		$13,667 89	
Water Loan Sinking Fund—Surplus in receipts over expenditures of Maintenance accounts of Water Department		7,033 62	
Account of Abatements—Taxes. Assessors' certificates received and allowed on additional entries of 1907 taxes		1,066 80	
Account of interest on Dowse Fund for the year 1907 .		600 00	
Account of Sinking Funds—Appropriations for 1907:—			
Brookline Bridge . .	$333 33		
Cambridge Bridge . .	19,333 33		
Cambridge Bridge Special .	616 00		
Clay Lands . . .	5,335 00		
Commercial Avenue Bridge	666 67		
General	105,520 38		
		131,804 71	
A total of			154,173 02
Which deducted from the foregoing total of receipts shows a balance in City Treasurer's hands, as of Nov. 30, 1907, of			95,852 34
The Sub-Committee also examined the total cash receipts and expenditures, as per City Treasurer's ledger, and find the same to be as follows:—			
Cash balance from Nov. 30, 1906		309,631 91	
Total cash receipts for year ending Nov. 30, 1907 . . .		4,064,445 64	
A total of			4,374,077 55
Total cash expenditures for year ending Nov. 30, 1907 . .			4,278,225 21
Which deducted from total receipts shows a cash balance as of Nov. 30, 1907, as above, of			$95,852 34

The above statement of receipts and expenditures was verified by comparison with the City Auditor's statement for year ending November 30, 1907. The Sub-Committee also examined the securities belonging to the Cemetery Fund, $73,681.04, and Sarah E. Russell Fund, $814.41, both held in trust by the City Treasurer, and find the same to be correct.

ARTHUR R. HENDERSON,
ALBERT H. CHAMBERLAIN,
HENRY J. WINSLOW,

Sub-Committee on Finance.

The foregoing report was accepted, and ordered to be incorporated as the Annual Report of the Committee.

All of which is respectfully submitted.

CHARLES H. LAKE,
GEORGE L. DOW,
MARSHALL F. BLANCHARD,
ARTHUR R. HENDERSON,
ROBERT W. HUNTER,
ALEXANDER DUNN,
ALBERT H. CHAMBERLAIN,
HENRY J. WINSLOW,
JOSEPH P. QUILTY,
JESSE W. MORELAND,

Committee on Finance.

REPORT OF CHIEF OF POLICE.

To the Honorable, the Mayor, and the City Council of the City of Cambridge:—

GENTLEMEN:—In compliance with the City Ordinance, I have the honor to present the annual report of the work of the Police Department to November 30th, 1907.

The whole number of arrests for the year has been three thousand seven hundred and thirty-four (3,734), against three thousand three hundred and thirty-four (3,334) last year, an increase of four hundred (400).

Males	3,437	Adults	2,883
Females	297	Minors	851

Amount of property reported stolen	$3,496 99
Amount of property reported recovered	2,247 75

The offences for which arrests have been made are as follows:—

Adultery	6	Drunkenness	1,759
Assault and battery	220	Defacing a building	13
Assault felonious	15	Disturbance on a street car	29
Assault with dangerous weapon	4	Escaped prisoners	7
Assault with intent to rob	2	Evading car fare	7
Arson	1	Exposure of person	12
Attempt to defraud	1	Employing minors	2
Attempt to commit larceny	3	Forgery	1
Abandoning a child	1	Failing to send child to school	1
Accessory after the fact	1	Fugitive from justice	2
Buying junk from minors	13	Giving false alarm of fire	7
Burning a building	7	Gaming, or present at	78
Bastardy	25	Gaming on Lord's day	3
Breaking and entering	75	Having carnal knowledge of female child	1
Breaking glass	6	Idle and disorderly	5
Bathing in nude state	1	Incest	1
Capias	49	Insane	13
Common drunkard	48	Illegal transportation intoxicating liquors	9
Carrying concealed weapons	8	Illegal sale of liquor	6
Contempt of Court	1	Intimidation	2
Conveying leased property	3	Keeping liquor with intent to sell	3
Concealing mortgaged property	1	Keeping unlicensed dog	17
Cruelty to animals	8	Keeping shop open on Lord's day	1
Cruelty to children	1	Keeping dangerous dog	1
Criminal libel	1	Keeping gaming resort	4
Discharging firearms in city	3	Liquor nuisance	15
Disturbing public peace	295		
Disturbing public meeting	2		
Disorderly house	4		

Larceny	278
Larceny from building	3
Lewd and lascivious	4
Larceny from person.	8
Loitering	4
Malicious mischief	21
Manslaughter	4
Murder	1
Not confining dangerous dog	1
Non-support	90
Neglected children	43
Obstructing street car	13
Polygamy	1
Peddling without a license	36
Perjury	5
Receiving stolen goods	7
Robbery	10
Rape	9
Representing himself to be an officer	1
Seduction	1
Setting fire	1
Safe keeping	22
Stubborn children	30
Stealing a ride	7
Suspicious persons	10
Surety of the peace	1
Selling cigarettes to minor	6
Selling goods with illegal measure	4
Threatening	15
Truants	3
Trespass	25
Unlawfully appropriating a team	3
Using unsealed measures	4
Unlawful use of milk cans	4
Unnatural act	1
Violating pure food law	3
Violating automobile law	40
Violating Sunday law	2
Vagrants	4
Violating city ordinances	95
Violating liquor law	10
Violation of milk law	9
Violating terms of probation	58
Violating Park rules	14
Violating Rules Board of Health	11
Violating junk license	6
Violating U. S. Postal laws	1
Wayward child	1

NATIVITY OF PRISONERS.

United States	2,149
Ireland	792
British Provinces	340
England	58
Sweden	44
Italy	57
Scotland	25
Germany	22
Denmark	5
Poland	53
Portugal	24
China	5
Syria	3
Hungary	1
Roumania	1
Greece	5
Norway	7
Finland	2
Russia	113
Armenia	14
France	1
Turkey	3
Austria	4
West Indies	6

OCCUPATION OF PRISONERS.

Auto dealers	3
Artists	1
Agents	25
Bakers	26
Barbers	18
Brass finishers	2
Blacksmiths	31
Butchers	27
Boilermakers	9
Bookbinders	7
Bookkeepers	3
Bartenders	1
Brokers	2
Cigarmakers	5
Coopers	19
Cooks	21
Contractors	9
Carvers	7
Carpenters	93
Confectioners	16
Coachmen	11
Clerks	69
Cabinetmakers	6
Chauffeurs	17
Druggists	12
Domestics	46
Electricians	9
Expressmen	17
Engineers	14
Farmers	24

Firemen	27	Piano workers	15
Florists	5	Porters	7
Gasfitters	3	Polishers	10
Gardeners,	21	Plumbers	26
Glass workers	14	Printers	19
Hostlers	21	Painters	127
Harnessmakers	3	Peddlers	81
Housekeepers	164	Roofers	5
Ironworkers	17	Rubber workers	35
Instructors	2	Railroad men	26
Junk dealers	42	Sailors	15
Janitors	11	Steamfitters	9
Lathers	6	Stone cutters	12
Laborers	1,220	Storekeepers	41
Laundry men	5	Students	24
Laundress	5	Shoemakers	23
Lawyers	1	Salesmen	18
Masons	50	Shippers	9
Milkmen	12	Soldiers	2
Music teachers	2	Tailors	35
Moulders	39	Tinsmiths	8
Machinists	62	Teamsters	279
No occupation	589	Waiters	16
Preachers	2	Upholsterers	7
Photographers	2	Watchmen	8
Physicians	2		

MISCELLANEOUS BUSINESS.

Accidents	240	Defective wires	129
Buildings found open and secured	230	Defective streets and sidewalks	1,260
Cases investigated	3,063	Disturbances suppressed	207
Dangerous buildings	6	Dogs killed	81
Dead bodies found	18	Fire alarms given	34
Defective catch basins	73	Fires extinguished without alarms	45
Defective drains and vaults	2	Lost children restored	298
Defective fire alarms and clocks	3	Sick and injured persons assisted	147
Defective gas pipes	5	Stray teams put up	47
Defective water pipes	179	Street obstructions removed	23
Defective hydrants	34	Water running to waste	25
Defective lamps	3,174		

Whole number of lodgers, 23.

Male	23	Minors	0
Female	0	White	23
Adult	23	Colored	0

SIGNAL SYSTEM.

Duty calls by officers	351.615
Telephone calls	23.172
Wagon calls	1,867
Miles run	3,037
To fires	3
Sick and injured persons carried to hospital in patrol wagon	66
Sick and injured persons carried home in patrol wagon	16
Other runs	99

AMBULANCE.

The ambulance has been called to three hundred and eighteen (318) accidents, and one hundred and one (101) removals.

CITY PROPERTY IN USE BY POLICE DEPARTMENT.

150	badges	$100 00	
150	belts	143 75	
150	short billies	62 50	
10	bedsteads	50 00	
	Bedding and blankets	50 00	
1	couch	10 00	
5	clocks	25 00	
2	bureaus	3 00	
75	chairs	95 00	
200	copies police rules	75 00	
14	desks	260 00	
1	easy chair, matron's	10 00	
4	horses	400 00	
5	harnesses	150 00	
4	halters	1 00	
1	hat rack	3 00	
1	ambulance	200 00	
14	ink stands	7 00	
30	lanterns	15 00	
8	mirrors	16 00	
3	maps	15 00	
10	rugs	30 00	
12	pair handcuffs	36 00	
1	police van		200 00
3	signal systems		10,000 00
4	bicycles		75 00
1	patrol wagon, old		50 00
3	patrol wagons		1,000 00
120	revolvers		480 00
1	rogues' gallery		150 00
2	safes		100 00
1	sleigh		25 00
1	telephone line		300 00
3	thermometers		2 00
40	tin dippers		8 00
1	typewriter and desk		140 00
2	umbrella stands		2 00
1	wagon van, old		25 00
4	water coolers		20 00
	Operating table and chair		37 50
3	medicine cabinets		75 00
2	wardrobes		15 00
2	wagon jacks		2 00
			$14,263 75

In the Inspector's Department during the year there has been:—

Property reported stolen		$4,567 70
Property recovered		2,380 45
Complaints investigated	478	
Civil matters investigated for City Solicitor	115	
Complaints made to Court	59	
Arrests made by Inspectors	102	
Convictions	47	
Cases pending	6	
Cases dismissed	6	
Suspicious persons arrested and released	13	
Arrested for other departments	30	
Number of days lost by officers by reason of sickness	1,166	

EXPENDITURES.

Military instruction	$24 00
Rebate on minors' licenses	87 75
Telegrams, etc.	16 09
Repairs on revolvers	4 74
Counsel fees	10 00
Revolvers	66 00
Horses	550 00
Traveling expenses	306 73
Photographs for rogues' gallery	16 00

New England Telephone & Telegraph Co.		380 66
Furniture, new		5 40
Shoeing horses		166 75
Hay and grain and care of horses		584 33
Buttons for department		71 25
Repairs on furniture		39 75
Repairs on harnesses		56 35
Food for prisoners		46 18
Public property, for heating and janitor services		890 00
Repairs on vehicles		194 25
Repairs on buildings, and whitening		511 35
Repairs on bicycles		97 85
Laundry		52 12
Clipping horses		9 00
Medical attendance and medicine		31 76
Cambridge Gas Light Co.		523 11
Cambridge Electric Light Co.		419 07
Cloth for department		724 13
Cleaning stations		312 00
Expressing		12 24
Horse hire for patrol and ambulance use		32 50
Printing		180 77
Supplies for stations		573 69
Making and posting automobile danger signs		91 85
Rent of store for temporary station, Division 1		75 00
Expert services		31 45
Storage of vehicles		13 50
Directories for department		20 00
Diaries for department		127 03
Filing cabinet and cards		84 88
		$7,439 53
Appropriation for salaries	$159,150 00	
Expended for salaries	158,949 88	
Balance unexpended	$200 12	
Appropriation for general expenses	$7,440 00	
Expended for general expenses	7,439 53	
Balance unexpended	47	

MEMBERSHIP.

The membership of the Department is as follows:—

Chief, FREDERICK B. PULLEN.

Deputy Chief, WILLIAM F. BATCHELDER.

Captains.

John F. Murray
James E. Murray
John J. McBride

Chief Inspector.

Capt. Patrick J. Hurley

Inspectors.

Lieut. James A. Cox
Lieut. John W. Deehan
Lieut. Michael Neilan

Lieutenants.

James S. Alexander
Michael J. Conry
Herbert Gordon
James P. Hall
Charles L. Pike
David A. Stevens

Sergeants.

James E. McNulty
Patrick F. Murray
James M. Keaney
Michael J. Brennan
Frederick A. Robinson
James L. McElroy
Daniel F. Counihan
Orrin B. White
William H. McMenimen

Patrolmen.

Richard H. Aylward
William H. Aberle
Charles F. Aberle
George T. Barrington
Elbridge S. Blen
Charles E. Bradley
Ernest E. Blanchard
Thomas F. Burke
Edward J. Comerford
Timothy Corcoran
Thomas M. Campbell
John J. Canney
Robert G. Culhane
John P. Conroy
Thomas F. Coady
Timothy Crane
Patrick Doyle
Anton B. Diehl
Thomas F. Dynan
Patrick F. Dunlea
Joseph F. Doherty
Harry W. Davis
Joseph J. Donahue
Robert J. Douglas
Frederick M. Ellis
Joseph H. Furbush
James B. Forristall
Lochlin Gavin
John J. Griffiths
William B. Ginty
Francis H. Gutoski
William H. Hill
James H. H. Holt
Edward F. Horrigan
Patrick J. Healey
Benjamin F. Higgins
John A. Hezlitt
Mortimer M. Hackett
William H. H. Howe
Jerome D. Ireland
Dexter Jewett
Michael J. Kelley
Patrick D. Kelley
John Kelleher

Fred L. Ladd
Dennis F. Leahy
Timothy F. Leahy
Augustus J. Largenton
Frederick W. Law
Frank D. LaMarche
George J. Mahoney
John P. Maloy
Edward J. McCabe
Charles J. McCann
John E. McCrehan
Richard M. McFadden
William N. Mullins
Peter J. Murphy
Bernard McCaffrey
Robert E. Mullen
Michael McMahon
Joseph F. McCorry
Jeremiah H. McCarthy
William F. McKeown
Simon J. Mulvaney
Patrick H. McNamara
John P. Neilan
Maurice P. Nelligan
John J. O'Brien
Charles W. Priest
Joseph W. Parks
Charles H. Presho
John F. Powers
George A. Patten
Bernard J. Roper
Thomas J. Real
Ralph R. Rice
John W. Roberts
William H. Robertson
Thomas P. Rowe
William H. Rowe
Thomas Shea
Cornelius Sullivan
John J. Sheehan
Cornelius Sheehan
John W. Skelley
Frank W. Scobey
Benjamin C. Scully
Joseph H. Shannon
Joseph C. Temple
David L. Walsh
David H. Walsh
Edward J. Welch
John H. Wells
John E. Winslow
Charles W. Wyman

Reserve Officers.

Thomas J. Shannon
William F. Biggane
Andrew Conlan
John F. Greene
John W. Kelley
Frank Andrew
John M. Ackerly
Timothy Lehane
Joseph F. Tansey
Lawrence P. Dempsey
Patrick E. Moylan
Joseph Kelley
John Walsh
Edward C. Gordon

Drivers.

John T. Cook
John Coffey
Dennis J. Sullivan
John Sullivan
John J. McCauley
Warren H. Dow
Frederick McLaughlin

Matrons.

Mary McEachern
Catharine E. Goodwin

Pensioners.

Lothrop J. Cloyes
Henry C. Jones
Edward F. Belcher
George Smyth
Frederick Apel
William H. Graves
Charles C. Marston
Michael A. Ginty
John Coulter

The Department organization at present is 1 chief, 1 deputy chief, 3 captains, 1 chief inspector with rank of captain, 3 inspectors with rank of lieutenants, 6 lieutenants, 9 sergeants, 96 patrolmen, 14 reserve patrolmen and 7 drivers of patrol wagons and ambulance.

Assignments to Headquarters, chief, deputy chief, chief inspector, 3 inspectors, and 1 patrolman detailed as clerk.

There have been no serious disturbances during the year. The efficiency of the Department has been well maintained, as evidenced by the few serious offences committed where the persons have escaped detection and prosecution, and by the general good order prevailing in the City.

There have been numerous complaints made by citizens, of the violation of the automobile laws by reckless operators, and special efforts have been made to overcome the trouble, forty persons having been summoned into court for this offence, and in nearly every case a fine has been imposed. One has been convicted for manslaughter, by recklessly running his automobile where an accident was followed by the death of a person who was struck. One case is pending in court for assault and battery against another autoist, who ran his machine into a team, causing serious injury to the driver. The usual watchfulness has been maintained to prevent the illegal sale and transportation of intoxicating liquors, and forty cases have been brought before the court for various violations of the liquor laws. The discipline has been excellent during the year, necessitating very few complaints against officers, and those for minor infractions of the regulations, and harmony prevails among the men, the superior officers having their respect and cordial co-operation in the general work of the department.

The work has been quite arduous during the year, the teamsters' strike in Boston, necessitating many hours of extra duty in protecting teamsters who came into our City from Boston, and who would have been in danger of attack by hoodlums and others following from Boston, had our officers not been on watch for their protection. But two or three cases of interference with teamsters were reported during the more than three months of its continuance. For this extra duty they received no pecuniary compensation, the knowledge of duty well performed being their only reward. I received many words of commendation and congratulation on the fine appearance of the officers during the Old Home Week celebration, which required many hours' extra work by the officers, for which each man was allowed by His Honor the Mayor one day extra vacation in part recognition for such extra duty.

The Inspector's Department, under Captain Hurley, has maintained its excellent record for efficiency in its line of work, each

officer working with the single purpose of keeping our City free from serious crimes and criminals, and they have been untiring in their efforts to this end. The detailed work of this department shows but a small part of the work put in to accomplish the end arrived at, that is, to prevent crime, as well as to catch the offender after the offence is committed.

I take this opportunity to reiterate my recommendation of last year that the building now occupied for Police Headquarters, the Overseers of the Porr, the Board of Registrars of Voters, and Police Station 2, be remodeled, giving more room to all the departments interested, especially to Police Headquarters, where we are crowded to such an extent as to interfere with the necessary work of the department, the Inspector's branch particularly having insufficient room to properly conduct the ever increasing business. An inspection of the station house and cell rooms will at once convince anyone that there is imperative need on sanitary grounds for alterations which will make it more suitable for the detention of the unfortunate ones who are compelled to occupy these quarters, and who should be properly cared for, notwithstanding their condition.

I would also recommend that six more Reserve Officers be appointed to go on duty about April 1st, so that our park system may be more properly covered, and the people who use the parks be better protected, as well as the park property.

Respectfully submitted,

FREDERICK B. PULLEN,

Chief of Police.

REPORT OF THE ELECTRICAL DEPARTMENT.

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—I have the honor to submit herewith, in accordance with the provisions of the City Ordinances, the ninth annual report of the Electrical Department.

It is pleasing to be able to report that both the amount of work and the efficiency of the department have increased materially. The work of renewal and strengthening weak places in the Fire Alarm and Police Telegraph systems, pursued so vigorously for the past four years, has improved the condition of these two branches to an extent as to necessitate spending less time in repairing trouble, thereby allowing more time to be devoted to construction work. With the exception of the few miles of circuit wire which require to be renewed every year, these departments are in as good condition as it is possible to have them with the apparatus we possess.

On account of the application of Chapter 269 of the Acts of 1907 to the Electrical Department, four more men were added to the working force during the year. According to an opinion of the City Solicitor, the practice of requiring the operators to work fifty-six hours per week and keeping the other men subject to call for trouble work was a violation of this act, and since it is necessary to have men available to do this work, steps had to be taken to remedy conditions to conform with the law. Acting under the advice of the City Solicitor, the City Electrician submitted to the men for their acceptance a proposition to work and receive pay by the hour, forty-eight hours work per week being guaranteed to them, but the men refused to accept this method of employment. On further advice from the City Solicitor, the alternative of submitting the situation to the City Council was followed, with the result that an additional appropriation was made to employ enough men to insure that none need work more than forty-eight hours, as required by the above mentioned act, except in case of emergency.

Following is an account of the work of each branch of the department.

INSPECTION OF ELECTRICAL WIRING IN BUILDINGS.

The work of inspecting interior wiring for heat, light and power has increased during the past year at the normal rate, and the high standard of work required in the past has been maintained. The electrical contractors as a rule strive to follow the requirements of the department on new installations and are ordinarily ready to make such changes as are suggested. Regulations are necessary, however, to enable the City Electrician to keep in touch with additions to already existing installations. Many of the more responsible contractors fail to notify the department of work done in buildings with which the current is already connected, and where the work is done by irresponsible persons, as is too often the case, notice is seldom given and dangerous conditions are created without the knowledge of this department. Electricity is one of the safest agents for the production of light, heat and power, if the materials and apparatus are of approved make and the wiring is properly done; but if the work is done by irresponsible and incompetent persons and is not inspected, it is one of the greatest sources of danger to life and property that could be introduced into a building.

No fires are known to have been caused by electric wiring during the past year. In the one case where the cause of the fire was reported by the Chief of the Fire Department as being probably due to wires, an inspection of the premises showed that from the location of the wires in the building they could not have caused the fire.

Arrangements are being made to begin early next year to reinspect every installation in the City. The task is enormous, but your superintendent feels that the time that will devoted to it will be warranted by the results.

Below is a tabulation of the Interior Inspections.

TABULATION OF INTERIOR WIRING INSPECTIONS MADE IN 1907.

Number of inspections	875
Number of installations inspected	410
Capacity of 16 c. p. incandescent lamps installed	11,701
Capacity of Nernst lamps installed (glowers)	141
Number of low potential arc lamps installed	6
Number of power motors installed	92
Horse power of power motors installed	590
Number of generators installed	3
Kilowatt capacity of generators installed	44
Number of defects noted	337
Number of unfinished inspections	21

INSPECTION OF OUTSIDE WIRING.

The poles on Brookline Street and on Rindge Avenue between Massachusetts Avenue and Middlesex Street were condemned this year, and round chestnut poles were substituted for the square hard pine poles that had been used. Many of the locations were changed in order to make the lengths of the sections more uniform and to bring the poles on property lines where they would interfere least with buildings on the street. As proof that the appearance of round poles is not objectionable, it may be stated that neither on any of the streets where all the poles are round nor in any of the locations where from one to several square poles have been replaced with round poles has there been objection made to them on account of this feature. It is entirely probable that few persons, except those whose attention has been called to these round poles, have noticed that they are being used so extensively. The poles are inspected by the City Electrician before being erected, except in cases of emergency, in which cases the company erecting the pole does so with the understanding that if it is not satisfactory it must be removed and a suitable pole used in its place. Only one case of this nature has occurred during the year, and the objectionable pole was removed without question. The increased safety obtained from the use of round chestnut poles instead of square hard pine poles makes the extension of this policy of substitution advisable until the square poles have all been removed.

Very little has been done this year by the New England Telephone and Telegraph Company with its poles. The only poles erected by this company were a few cases where poles that were condemned have been replaced by new ones. It is to be hoped that the question of the character of the acceptance for pole locations that this company should file will be settled early in the coming year so that work may be done on several telephone lines that have been condemned and require rebuilding.

There is a great deal of work required on the lines of the Telephone Company in this City, and your superintendent hopes next year to find time to go over the ground thoroughly and have this work done. On many streets the number of telephone wires carried on poles is far in excess of the pin capacity of the cross arms, and it is expected that arrangements can be made to substitute cable or ring construction for the single pairs in these cases. Until this year a City ordinance prevented this work being done properly, so that this department could not consistently ask that it be done at all.

One fatal accident from outside wires was reported to this department this year. Mr. J. S. Ralph, employed at the Riverside Press on general work, while repairing a roof, came in contact with a high tension wire and a grounded wire at the same time. The grounded wire was used to guy an iron stack. The shock that he received threw him to the roof, and before help could reach him he fell a distance of about thirty feet to a roof below. He was still alive and was taken to the hospital, where he died about five minutes later.

The number of permits granted by this department during the year is contained in the following table:—

PERMITS TO RUN WIRES.

	1906	1907
Number issued to the New England Tel. & Tel. Co.	761	720
" " " " Cambridge Electric Light Co.	0	2
" " " " Boston Elevated Railway Co. .	0	2
	761	724

FIRE ALARM SYSTEM.

The operation of this department during the past year has been all that could be desired. The system has reached a height of efficiency that cannot be exceeded with the present equipment. No mishaps have occurred in either the receiving or transmitting of alarms, but as in past years, this has been due in a larger degree to the care and ability of the members of the department than to the integrity and reliability of the apparatus. While, as a matter of operation, the human element necessarily enters vitally into the receipt and transmission of an alarm, the burden of the accuracy of the result should rest with the machinery, so as to make it as nearly as may be impossible for any inaccuracies due to the intervention of the operator to creep in. Unfortunately, so little dependence can be placed on our apparatus, notwithstanding the revivifying repairs and renewals that have been made on it, that the operator must at all times be on the alert to exert his resourcefulness to remedy any errors due to the failure of the machinery. I trust that the City Council may, before it is too late, take proper action with a view to renewing our office equipment.

No alterations or additions of any magnitude have been made in the Fire Alarm Office this year other than the necessary repairs and renewals. The private telephone for the Fire Department has been cut into three loops instead of having all the instruments connected as before. This was necessary because of the heavy load on

the line which made it difficult for some members of the Fire Department to call some of the department houses. Any house can now call the houses on the same loop with itself, but must call the Central Office when it is desired to call a house on either of the other loops. This makes it possible for three conversations to go on at one time where only one was possible before, and although it takes the operator a few seconds to make connections between loops, the elimination of the delays formerly due to the inability to ring up the house desired results in a large net gain in time.

The following new boxes were added during the year:—

Box 10	First Street corner Binney street.
Box 124	Fifth Street corner Winter Street.
Box 124	Boston Bridge Works, Binney Street.
Box 681	Massachusetts Avenue corner Regent Street.
Box 682	J. Cushing & Co., Regent Street.
Box 85	Huron Avenue corner Reservoir Street.

Box 154 and box 682 are private boxes, but the Electrical Department furnished a keyless door for box 682, since the box is located on a pole on the street.

The character and amount of line work done on the Fire Alarm system is described under the heading "Construction Work."

POLICE SIGNAL SYSTEM.

The Police Signal System has been operated with greater efficiency this year than for many years past. As heretofore, however, many of the troubles reported from the police stations are due to misapprehensions on the part of the officers doing station duty on account of their lack of knowledge of the apparatus.

The system as it exists in Cambridge is costly to maintain on account of being composed of three units not connected in any way. There is no way in which police headquarters can get into direct communication with a patrolman on the street except in District Two. Better results for both the Police Department and the Electrical Department could be obtained at a less cost for maintenance by centralizing the apparatus now in the three stations at Police Headquarters, and connecting each station to headquarters with a telephone and a wagon call circuit. The officers in charge of the stations could then communicate with their men from their desks more conveniently than at present when they must go to the operator's table, and the wagon calls could be sent just as expeditiously, since the only

operation involved in any case is the movement of the transmitter lever, and the length of the circuit does not enter into the time of transmission of the signal. I submit this proposition for consideration when the City wires are placed underground, which, according to the indications, will be very soon.

Three new boxes have been purchased for District One and will be set up as soon as possible in the following locations:—

Corner Forest Street and Frost Street.
Foot of Regent Street.
Corner Harvey Street and Clifton Street.

The box on the temporary viaduct at Prison Point has been moved to the permanent structure and the wiring on the old viaduct removed.

The amount of wire renewed in the Police Signal System is included in the total under "Construction Work."

The equipment of the system varies little from last year and is as follows:—

Three station equipments.
Two patrol wagon house equipments.
Eighty street boxes.
Five station private magneto telephone system.
Fifty-eight miles of circuit.

The inventory of the Fire Alarm and Police Telegraph Departments follows.

INVENTORY OF THE FIRE ALARM AND POLICE SIGNAL DEPARTMENTS.

Fire alarm apparatus and machinery	$11,300 00
Fire alarm and police telegraph circuits	5,500 00
108 fire alarm boxes	7,680 00
Police signal apparatus and machinery	3,000 00
80 police boxes	8,000 00
Police signal reserve apparatus	150 00
Testing instruments	450 00
Tools	250 00
Stock on hand	800 00
Old and disused apparatus	250 00
Horses, wagons and harnesses	650 00
Building in Cushing School yard	400 00
	$38,430 00

CONSTRUCTION WORK.

About 20½ miles of covered iron wire and 2¾ miles of twisted pair copper wire were used in the Fire Alarm and Police Signal Systems during the year. Of this amount, about two miles of iron wire and 2,500 feet of twin wire were used in installing new Fire Alarm boxes and changing the locations of police boxes; the remainder was used in replacing old wire.

The larger part of this wire was used on the following streets:—

Binney Street	1 2-3 miles
Rindge Avenue	1 1-2 "
Broadway	7,500 feet
Walden Street	6,100 "
Spring and Ninth Streets	2,900 "
Blackstone Street	2,100 "
Brattle Square, Harvard Square, Massachusetts Avenue, Mason, Story and Mt. Auburn Streets	7 1-2 miles

This latter amount, seven and one-half miles, was used in re-running the circuits from the Fire Alarm Office to the corner of Massachusetts Avenue and Garden Street to replace the wires that formerly ran over the roofs between Brattle and Garden Streets. This eliminates the danger to the wires from fire in this district; and in addition to decreasing the liability of the wires breaking, it also enables the department to reach them more easily when repairs are necessary. There was no room at the top of the poles for these wires, but rather than lower all the cross arms, extensions were added at the top for an additional arm.

Cross arms were put up and the wire run for the three new police boxes in District One, but since this wire is not yet cut in, it is not included above. The work of changing over on the new poles on Brookline Street and running in new wire has been started but will not be completed for about two months.

The usual repair work on the bells and batteries in the school-houses was done by the department. At the Rindge Manual Training School ten new bells for an electrical clock system were installed, and at the Latin School the telephone system was thoroughly overhauled and repaired. All the other electrical repairs of a minor nature requested by the Superintendent of Public Buildings or other heads of departments were attended to as promptly as possible.

RECOMMENDATIONS.

It is unfortunate that the interest of the members of the City Government in the Electrical Department has in the past manifested itself almost solely in the location of street lamps and Fire Alarm and Police boxes. Had this interest extended far enough to cause an investigation into the conditions that prompted the recommendations of past years, it would perhaps not be necessary to repeat these recommendations from year to year.

Necessity compels me to call the attention of the City Council once more to the crying need for new quarters and new apparatus for the Fire Alarm Office. The danger to the apparatus in our present office is illustrated by the recent fire in the Central Square Building which, had it occurred in the Brattle Square Building, would have injured the Fire Alarm equipment beyond repair. With the apparatus that we have in the Brattle Square Building, the safety from fire of the citizens and their property, depending largely, as it does, on the integrity of this apparatus, is preserved by a margin too narrow by far to warrant even a remote feeling of security. I trust that the City Government will voluntarily take adequate action on these matters before dire emergency compels it.

Although the overhead wires are now in a sufficiently good condition to resist the action of all but extraordinary storms, it is extremely desirable that a beginning be made to use the facilities at the disposal of the City for placing its wires underground. The ducts laid by the New England Telephone and Telegraph Company, Boston Elevated Railway Company and Cambridge Electric Light Company for use by the City are adequate for more than three-fourths of the City wires, and it is advisable to begin as soon as possible to place these wires underground, doing a part of the work each year so that when the facilities for overhead wires become inadequate, as is bound to occur before many years, all the expense may not come at one time. The advantages to be derived from underground wires have been gone into so fully in former reports and are so universally known that they do not require to be repeated here.

Under the old method of numbering Fire Alarm boxes when numbers of three figures were used they were selected with the view of having the second and third numbers of the axes the same. This method necessitates the counting of the whole box number by the firemen before they can know the locality of the fire. Furthermore, all private boxes were numbered in the four hundreds, and as these

boxes increased in number it became necessary to use the numbers of distant boxes for the second and third figures of the box number, thereby involving exceptions to the scheme of numbering and complicating the entire system. The four hundred series was selected empirically, but any other series would bring about the same results. The logical method of numbering boxes is to make the first figure of all boxes in the same locality the same, making no distinction between private boxes and street boxes.

Contiguous boxes would of course be given consecutive numbers, and when three-figure boxes were used the first two numbers would be the same as the number of the nearest two-figure box. As a result of this method, the firemen know the locality of the fire as soon as the first part of the box number is sounded, and by the time the box is counted their minds are automatically brought to a condition to locate the box exactly. When it is considered that only a few seconds elapse from the first tap of the gong until the fire apparatus is ready to move from its quarters, during which time all the faculties of the firemen are active in making preparations to go to the fire, the importance of a natural, involuntary mental process of determining their destination by a proper method of numbering the boxes is readily discernible. During the past four years this method has been followed in locating new boxes, but in order to overcome the confusion entailed by former methods all the boxes should be either renumbered or rearranged. This will require a few minor changes in the boxes that must be renumbered, and I recommend that when the appropriation for the coming year is made, it will include a sum sufficient to make these changes.

It is a physical impossibility for the clerk whose time is shared by the Building Department and the Electrical Department to do all the work that needs to be done. As a result much work must necessarily be left undone. Then, too, the office is so crowded that proper facilities for keeping records cannot be used. The remedy that I recommend is to provide each department with a clerk, and to move the office of the City Electrician to the Fire Alarm Office. All the work of the City Electrician, except the inspection of inside wiring, centers around the Fire Alarm Office, and the inspections could be made from there without detriment. The saving of more than an hour a day of the City Electrician's time could be effected by having his office at Fire Alarm Headquarters, besides enabling him to keep more closely in touch with the work of the department at the time it is being done.

I renew also my recommendation of last year asking for an appropriation to enable this department to do all the electrical work required by the various departments. In addition to the saving that would be effected in this way, the electrical installations could be kept in better repair without exceeding the cost of the work as done at present.

STREET LIGHTING.

As was the case last year, no contracts for street lights were made on account of insufficient appropriation to cover the cost of the lamps on the streets, but the Cambridge Electric Light Company and the Welsbach Street Lighting Company continued as before to light the streets under the old contract, except that the cost of arc lamps remained at $90 per lamp per year, to which it was reduced during 1906. On account of the fact that this reduction became effective during the middle of last year but remained effective during the whole of this year, the expense for arc lighting was $958.67 less in 1907 than in 1906, although the number of lamps in 1907 was greater by 10. The deficit at the end of the year, caused by insufficient appropriation, was covered by an additional appropriation of $1,350 in May. In October $355 was appropriated to install the new lamps that had been ordered in by the City Council.

The question of the relative merits of series incandescent electric lights and of Welsbach lamps for residential streets was discussed at some length by the Committee on Wires and Lamps during the year. It was the opinion of the committee that the returns to the City in illumination from the incandescent electric lights were not commensurate with the cost of the lamps, but on the other hand the Cambridge Electric Light Company claimed that the profit in maintaining these lamps was so small that it would not allow them to reduce the price. However, in view of the fact that the Cambridge Electric Light Company expects to be able to test a new lamp very soon, it was decided that no change should be made in the present conditions until these new lamps were tried, but, as far as possible, no new incandescent electric lamps should be installed. The new lamps that are to be tested promise to give better illumination, and their efficiency is so much greater than the present lamps that a material reduction in the cost to the City should be made.

I can but call your attention to the recommendations made last year with regard to lighting our public squares and to the increase in

the efficiency of our street lights that may be effected by a judicious trimming of trees.

The net increase in the number of street lights during the year is as follows:—

Arcs	17
Incandescents	2
Welsbach gas	25

Following is a brief financial statement, some statistics and an inventory of the department.

FINANCIAL STATEMENT.

Amount appropriated for salaries	$1,000 00
Amount appropriated for other expenses	78,705 00

The principal items of expense are as follows:—

For arc lighting	$55,177 51
For incandescent lighting	13,335 14
For Welsbach gas lighting	9,508 02
Salary of Superintendent	1,000 00

The expense for electric lighting has been as follows:—

ARC LAMPS.

Amount of bills rendered	$55,285 09
Amount of deduction for outage	107 58
Amount expended for arc lighting	$55,177 51

INCANDESCENT LAMPS.

Amount of bills rendered	$13,379 59
Amount of deduction for outage	44 45
Amount expended for incandescent lighting	$13,335 14

WELSBACH GAS LAMPS.

Amount of bills rendered	$9,548 50
Amount of deduction for outage	40 48
Amount expended for Welsbach gas lighting	$9,508 02

STATISTICAL STATEMENT.

The number of hours in which one or more lights failed to burn is:—

For arc lamps	3,586
For incandescent lamps	4,445
For Welsbach gas lamps	4,048
Total outage hours for all lamps for year 1907	12,079

The number of lamps maintained by the City on the streets on November 30, 1907, is as follows:—

	Number Nov. 30, 1906	Number Nov. 30, 1907	Increase during the year
Arc lamps	607½	624½	17
Incandescent electric lamps	443	445	2
Welsbach gas lamps	335	360	25
Total	1,385½*	1,429½*	44

*Half the expense of one lamp borne by private party.

INVENTORY OF LAMP DEPARTMENT.

361 lamp posts	$3,610 00
Office furniture	275 00
Stock on hand (old and disused)	185 00
Horse, carriage and harness	300 00
	$4,370 00

To His Honor the Mayor, the City Council, and especially the Committee on Wires and Lamps, I desire to express sincere thanks for the courtesy and consideration shown me during the year.

Respectfully,

TIMOTHY C. O'HEARN,

City Electrician.

REPORT OF THE SUPERINTENDENT OF PUBLIC BUILDINGS.

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—In accordance with Section 2, Chapter 13, of the City Ordinances, it becomes my duty to submit the following report of the Building Department for the year 1907, including also a detailed report of the Inspector of Buildings.

As in the past, sundry repairs have been made on the various schoolhouses and City buildings, special attention having been given to repairs on heating apparatus. The condition of the buildings has been improved, but much still remains to be done, and more liberal appropriations should be made to enable me to do absolutely necessary work. Much more might have been done during the past year, but owing to the severity of last winter and the consequent increased consumption of coal, most of the appropriations for "care and repair" were used in purchasing fuel.

As stated in my report last year, it is in my opinion wise for the City to improve the grounds about its buildings, and it is my intention to carry on this work during the coming year if the appropriations will permit. The lot of low, swampy land adjoining the Russell Schoolhouse lot should be filled in, in order to properly grade the grounds.

CENTRAL SQUARE BUILDING.

Early in the year the Central Square Building was damaged by fire in the portions used by the Fire Department and the Legion of Spanish War Veterans. The damage was quite extensive, amounting to $3,000, and rendered the premises unfit for occupancy. The sum of $1,400 was expended in partially repairing the damage so that the building could be occupied, and an appropriation of $1,400 was made to meet the loss.

On September 30th a second fire occurred in the upper rooms and roof of the same wing of the building, causing a damage of $2,500. No appropriation having been made, this damage has not been repaired.

The Fire Department, on the occasion of both of these fires, performed excellent work and are deserving of praise for saving the building, as on both occasions the fire had penetrated to the roof and could only be stopped by prompt and intelligent action.

I recommend that the plans for the reconstruction of this building be carried out during the coming year. If this is done, the fire damage can be repaired at the same time.

BRATTLE SQUARE BUILDING.

This building needs serious attention this year. The wood work on the roof will for the most part have to be replaced with new. Lack of attention to keeping it painted has resulted in its total destruction. This is chiefly due to insufficient appropriation being allowed this department for several years past.

CITY HALL.

During the year a few of the offices were renovated, but the remainder should receive the attention necessary to keep this beautiful building in the condition the citizens expect it to be kept. The work has been put off from year to year, and should be delayed no longer. I therefore recommend that favorable action be taken in this important matter.

Storage vaults are needed to properly care for City documents, which are at present exposed to danger from fire.

The elevator now in City Hall is in poor condition and is very costly to maintain. I would recommend that a modern elevator, operated by electricity, be installed.

I would also again recommend that an electric elevator be installed in the Brattle Square Building to accommodate the members of the Grand Army, the Police and Electrical Departments, and persons having business at the Third District Court.

During the year, repairs were made on the boilers in all the City buildings.

I would urge the need of a storehouse to properly care for personal property of considerable value belonging to the City. The building at North Cambridge formerly used is no longer available for this purpose.

ABANDONED SCHOOLHOUSES.

Acting under an order of the City Council, approved April 12th, 1907, the Stearns Schoolhouse building was sold for the sum of $280. The building was removed from the premises and the cellar filled up.

ELECTION BOOTHS.

The requirements of the Statutes and the orders of the City Council for preparing polling places for primaries and elections have been complied with. Two new portable voting booths have been built.

CENTRAL POWER PLANT.

I would again recommend the erection of a central power plant for the purpose of supplying heat, power and light to the Manual Training, Latin and High Schools, and the Public Library.

Under Chapter 566 of the Acts of 1907, accepted by the people on December 10th, 1907, the care and repair of schoolhouses has been placed in the hands of the School Committee, and all contracts made by your superintendent are chargeable to the committee. By vote of the Committee on Schoolhouses, I have been appointed temporarily as their agent.

WELLINGTON SCHOOL.

The additions and alterations to this building were completed during the summer and the building occupied at the beginning of the fall term. The building as altered is well lighted, heated and ventilated and meets with the approval of the School Committee and others who have seen it. It reflects credit on the architect, Mr. Edw. T. P. Graham, and the builder, Mr. John B. Byrne. The principal items of cost were as follows:—

Building	$38,541 09
Heating and ventilating	3,800 00
Plumbing	797 23
Architects' and engineers' fees	2,218 30
Furnishings	1,413 25
Electric wiring and fixtures	511 79
Clocks	295 00
Grading	100 00
Miscellaneous	310 70
	$47,987 36

The old part of the building should be remodelled to correspond with the new addition. This is of the greatest importance, as the means of egress in the old part are not sufficient. The old part should also be provided with steam heat, thus decreasing the danger from fire due to a number of furnaces, and also saving a considerable sum in fuel.

WELLINGTON SCHOOL.

NAMES.	FUEL.			REPAIRS.			SUPPLIES.				Sundry Labor.	Extra Help.	Janitors.	Totals.
	Coal.	Charcoal.	Wood.	On Building.	On Furniture.	On Heating Appt's.	Furniture.	Gas.	Electric.	Sundries.				
Agassiz	$458 57	$6 00	$7 50	$117 85	$1 00	$109 70	$4 00	$8 82	.....	$1 79	$781 36	.....	$730 00	$2,226 59
Boardman	420 50	6 00	11 71	78 56	42 50	14 00	50 05	12 60	.....	3 28	.....	.....	730 00	1,369 20
Corbett	81 25	3 00	7 71	13 05	.....	19 00	2 00	.....	.....	50	.....	.....	260 71	387 22
Cushing	128 63	3 00	6 14	16 89	1 68	15 96	.....	.....	.....	8 00	.....	.....	260 72	441 02
Ellis	842 46	4 50	9 64	202 88	3 50	27 95	.....	9 90	.....	11 97	786 40	.....	1,095 00	2,994 20
Felton	537 01	6 00	3 00	79 33	4 50	10 50	7 75	24 30	.....	1 95	.....	.....	573 57	1,247 91
Fletcher	1,219 23	.....	11 46	145 28	29 25	.....	105 75	4 95	$12 00	5 19	1 05	.....	1,225 36	2,759 52
Gannett	400 08	6 00	3 07	66 25	3 75	46 56	10 20	4 05	.....	3 40	97 00	.....	625 71	1,266 07
Gore	575 24	.....	4 14	103 82	6 50	292 31	.....	31 14	.....	13 25	16 87	.....	938 57	1,981 84
Harvard	1,209 19	6 00	9 64	234 57	8 05	67 70	22 00	4 14	24 84	8 18	.....	.....	1,303 57	2,897 88
High	1,708 26	.....	22 56	393 10	28 85	33 00	288 57	41 58	467 76	33 02	6 20	$1,191 93	1,989 25	6,204 08
Holmes	161 18	4 50	5 64	136 97	75 00	5 60	.....	.....	.....	1 20	.....	.....	391 07	781 16
Houghton	1,278 09	.....	12 14	29 15	60 58	143 54	46 25	.....	45 36	17 86	.....	.....	1,225 36	2,858 33
Kelley	1,047 54	.....	10 14	463 56	.....	.....	164 13	10 80	53 88	12 10	.....	.....	1,355 71	3,117 86
Lassell	403 24	4 50	4 64	12 64	4 00	226 45	6 00	.....	.....	.....	.....	.....	521 43	1,182 90
Latin	2,265 00	.....	12 14	321 28	170 22	103 84	134 95	34 38	428 76	153 03	327 17	1,955 36	1,972 00	7,878 13
Lowell	160 05	4 50	1 50	16 55	102 20	40 68	.....	1 62	.....	1 00	.....	.....	391 07	719 17
Merrill	651 37	.....	2 07	421 13	15 00	109 96	18 00	5 22	.....	1 87	.....	.....	938 57	2,163 19
Morse	1,581 35	.....	8 14	388 89	13 75	98 66	.....	33 39	.....	6 40	4 50	.....	1,303 57	3,438 65
Otis	476 82	9 00	7 14	157 47	2 75	326 60	.....	35 46	.....	46 50	50 25	.....	730 00	1,841 99
Parker	487 56	6 00	12 71	205 22	6 00	14 00	12 00	16 29	.....	2 50	.....	.....	635 71	1,397 99
Peabody	1,077 19	4 50	8 14	342 27	2 00	41 49	22 27	1 35	36 84	9 30	.....	.....	1,228 36	2,773 71
Putnam	1,071 59	.....	8 14	121 28	.....	82 00	.....	152 91	111 72	23 88	.....	.....	1,424 11	2,995 63
Reed	140 80	4 50	4 00	29 07	5 24	8 75	.....	.....	.....	.....	.....	.....	521 43	713 79
Rindge Manual Training	2,216 24	.....	.....	478 68	80 47	512 25	496 59	100 98	941 02	146 97	201 10	1,884 09	1,701 57	8,759 96
Riverside	272 67	4 50	3 07	131 04	4 75	19 72	.....	.....	.....	4 57	.....	.....	391 07	831 39
Roberts	1,358 91	4 50	6 07	259 72	25 96	.....	28 80	187 02	43 68	4 25	.....	.....	1,556 32	3,475 23
Russell	665 00	.....	11 14	311 19	.....	175 00	.....	23 13	.....	16 60	4 60	.....	1,042 86	2,249 52
Shepard	331 43	.....	8 07	216 48	2 25	.....	23 75	18 64	12 00	29 80	351 00	.....	1,003 57	1,986 99
Sleeper	535 93	6 00	8 64	105 87	3 00	22 25	.....	1 35	.....	9 00	2 95	.....	782 14	1,477 13
Tarbell	424 14	4 50	4 57	82 96	.....	46 12	.....	.....	.....	1 89	.....	.....	391 07	955 25
Taylor	1,002 91	.....	16 28	510 20	5 00	15 44	106 85	20 88	.....	3 45	10 50	.....	928 57	2,630 08
Thorndike	692 94	7 80	15 21	73 94	17 78	159 85	.....	31 59	.....	4 10	10 25	.....	866 29	1,879 75
Washington	.....	.....	.....	110 98	39 20	55 14	64 00	12 69	3 36	9 15	.....	.....	1,177 50	1,472 02
Webster	1,153 67	6 00	6 14	189 55	14 90	104 97	48 00	29 52	70 68	2 72	.....	.....	1,332 68	2,958 83
Wellington	1,001 61	6 00	11 64	571 37	4 75	1,404 55	516 00	13 50	12 00	31 84	.....	168 00	1,251 43	4,992 69
Willard	588 82	4 50	7 14	107 83	.....	108 80	.....	42 66	.....	11 40	.....	.....	938 57	1,809 72
Wyman	294 37	4 50	6 14	120 92	1 00	26 45	79 95	.....	.....	3 75	24 42	.....	573 57	1,135 07
All Schools	.....	.....	.....	.....	29 70	.....	619 41	.....	.....	1,954 74	911 58	.....	1,400 00	4,915 43
Totals	$28,920 84	$126 30	$297 22	$7,367 79	$815 08	$4,488 79	$2,877 27	$904 86	$2,263 90	$2,600 40	$3,587 20	$5,199 38	$37,718 06	$97,167 09

CITY BUILDINGS, 1907. CARE AND REPAIR.

NAMES.	FUEL.			REPAIRS.			SUPPLIES.				Sundry Labor.	Extra Help.	Janitors.	Totals.
	Coal.	Charcoal.	Wood.	On Building.	On Furniture.	On Heating App'ts.	Furniture.	Gas.	Electric.	Sundries.				
Brattle Square Building....	$1,371 94	.....	$4 00	$320 54	.....	$382 33	.....	$445 05	$130 20	$65 97	.....	$697 57	$834 29	$4,251 89
Central Square Building....	835 28	.....	8 14	1,442 55	.....	12 01	.....	1 26	.....	17 10	$19 24	544 71	834 29	3,714 58
City Hall.....	1,880 77	$1 80	2 00	1,760 79	$147 08	175 76	$102 50	44 55	1,554 60	242 97	377 10	4,567 07	1,980 75	12,827 74
Station 3	456 21	.....	3 00	66 07	.....	.....	.....	14 94	.....	.....	.....	.....	730 00	1,270 22
Station 4	362 64	....	.....	1,834 11	.....	258 28	45 00	.....	26 20	237 81	.....	.....	730 00	3,494 07
Totals	$4,906 84	$1 80	$17 14	$5,424 06	$147 08	$828 38	$147 50	$505 80	$1,711 00	$563 88	$396 34	$5,799 35	$5,109 33	$25,558 50

Following is a schedule of City property in the Public Building Department:—

SCHOOLHOUSES.

	Feet of Land.	Purchase of Land.	Erection of Building.	Valuation of Land.	Valuation of Building.	Valuation of Furniture.
Agassiz	19,689	1874	1875	$8,000	$20,000	$1,215
Boardman	10,018	1866	1868	4,000	13,000	1,290
Bridge	4,646	1836	1836	1,400	500	.....
Corlett	10,000	1880	1880 Purchased.	1,200	3,000	195
Cushing	14,787	1880	1880 Purchased.	1,500	3,000	136
Dana	14,317	1847	1848	4,300	.....	.....
Ellis	25,700	1897	1898	6,000	48,000	2,993
Felton	15,090	1847	1848	4,500	6,000	200
Fletcher	18,360	1902	1903	12,000	44,000	3,500
Gannett	15,434	1876	1886	3,000	12,000	430
Wellington	27,673	1875	1884	8,300	98,000	4,240
Gore	9,900	1871	1871	4,000	50,000	825
Harvard	20,494	1870	1871–1899	12,000	65,000	3,769
High	74,366	....	1891	40,900	220,000	9,220
Holmes	11,182	1870	1870	5,000	5,500	275
Houghton	20,306	1904	1904–1905	10,850	85,150	4,000
Kelley	25,230	1900	1902	9,600	60,900	4,380
Lassell	10,000	1880	1880	3,000	8,000	272
Latin	79,579	1894	1897	43,800	225,000	27,150
Lowell	12,033	1883	1883	3,600	5,500	402
Merrill	37,828	1864	1864	19,000	45,000	1,425
Morse	25,650	1889	1890	7,000	73,000	2,040
Otis	8,270	1857	1859	4,000	20,000	930
Parker	12,319	....	1893	7,000	15,000	710
Peabody	21,813	1887	1888–1898	9,800	68,000	3.340
Putnam	14,400	1896	1889	9,800	64,500	2,550
Reed	12,000	1868	1868	1,200	4,000	310
Rindge M. T.	81,128	....	1887	44,000	72,000	12,000
Riverside	11,198	1868	1868	3,000	5,000	330
Roberts	16,400	1898	1898	12,000	67,500	4,453
Russell	33,073	1895	1896	6,000	40,000	2,440
Sargent	9,995	1838	1838	5,000	.....	.....
Shepard	14,755	1855	1856–1873	11,000	26,000	1,047
Sleeper	21,284	1894	1894	5,000	24,000	1,990
Stearns	10,050	1812	1841–1843	5,000	.....	.....
Tarbell	19,500	1878	1882	4,900	7,000	355
Taylor	23,592	1894	1895	6,000	36,000	1,720
Thorndike	10,027	1860	1860–1875	4,000	30,000	1,676
Washington	16,000	1900	1901	12,800	80,000	3,550
Webster	25,839	1866	1873–1885	9,000	50,000	3.350
Willard	20,079	1869	1870	7,000	25,000	1,350
Wyman	14,347	1871	1871–1886	4,500	5,000	555
				$383,950	$1,729,550	$109,813

CITY BUILDINGS.

	Feet of Land.	Purchase of Land.	Erection of Building.	Valuation of Land.	Valuation of Building.	Valuation of Furniture.
City Hall	47,878	1888	1888	$72,000	$200,800	$29,800
Brattle Sq Bldg	16,153	1873	1874	16,000	62,000	2,500
Central Sq. Bldg	13,028	1872	1873	10,500	50,000	2,436
Station 3	4,220	1862	1870	2,100	20,000	800
Station 4	6,316	1872	1873	3,700	14,300	300
				$104,300	$347,100	$35,836

Voting booth, corner Cambridge and Hampshire Streets	$500 00	
Four portable voting booths	2,000 00	
Voting compartments and fixtures (500)	2,500 00	
		$5,000 00

OLD MATERIAL IN STORE HOUSE.

Plumbers' materials	$100 00	
Old doors	10 00	
Davidson steam pump (at R. M. T. S.)	100 00	
Desks, chairs and irons	500 00	
		$710 00

PERSONAL PROPERTY.

1 horse	$250 00	
3 robes	32 00	
1 wagon	100 00	
Top buggy	150 00	
Sleigh	35 00	
		$567 00

INSPECTION OF BUILDINGS.

The regular inspection work of this department has been done this year as shown in the table below.

Elevators have been inspected twice during the year and the annual inspection of the means of egress of tenement houses, lodging houses, hotels, etc., was made in May and a report made to the Chief of the District Police.

Permits issued to operators of elevators	350
Inspections	3,700
Notices served on violators of building ordinances	50

VIOLATIONS.

Dangerous chimneys	2
Foundations defective	4
Building without a permit	21
Building too near adjoining	8
Conductors and gutters defective	2
Building in a dangerous condition	3
Furnace pipes defective	4
Miscellaneous violations	3

Number of permits granted for each month of the years 1905-06 and 1906-07:—

	1905-6	1906-7
December	15	24
January	22	19
February	26	19
March	32	42
April	49	61
May	57	51
June	49	46
July	37	46
August	39	42
September	31	29
October	42	44
November	58	28
	457	451

PERMITS ISSUED IN 1906-7.

	Wards.											
	1	2	3	4	5	6	7	8	9	10	11	Totals
Additions	14	7	9	15	9	8	10	6	18	5	12	113
Alterations and repairs	2	5	10	19	10	26	13	10	12	8	19	134
Apartments and dwellings	....	1	1	3	5	9	10	2	17	8	6	62
Carriage houses	1	....	1	. ..	4	....	....	....	....	....	....	6
Chimneys and stacks	1	1	....	....	....	....	...	1	....	1	2	6
Dynamos, boilers, motors, etc	....	....	....	5	1	3	1	2	....	2	5	19
Factories	3	1	....	3	....	4	...	...	..	....	....	11
Heating apparatus	....	....	....	3	8	3	4	2	....	1	1	22
Razed	1	1	....	5	....	3	1	1	....	1	1	14
Stables	1	....	....	1	1	....	....	....	....	....	1	4
Schools	....	....	....	....	....	....	....	....	....	....	....	.....
Stores and offices	....	....	....	....	...	1	1	....	....	1	2	5
Storehouses	7	2	1	....	1	4	....	....	....	....	2	17
Miscellaneous	1	1	....	10	....	10	2	5	5	4	....	38
Totals	31	19	22	64	39	71	42	29	52	31	51	451

COST OF BUILDING OPERATIONS FOR 1907.

	WARD 1.		WARD 2.		WARD 3.		WARD 4.		WARD 5.		WARD 6.	
	New.	Additions and Repairs.	New.	Additions and Repairs.	New.	Additions and Repairs.	New.	Additions and Repairs.	New.	Additions and Repairs.	New.	Additions and Repairs.
December..	$600	.....	.....	$50	.....	.....	$5,000	$2,150	$150	$500	.....	$1,250
January....	4,900	.....	.....	.....	.....	$350	4,000	6,950	.....	800	$10,050	3,300
February...	.....	.....	$40,000	3,500	.....	.....	5,150	700	.....	2,000	2,325	600
March.....	5,500	$3,300	.....	7,000	.....	650	.....	6,575	.....	2,675	3,900	2,030
April.....	6,000	4,250	.....	100	.....	325	1,100	2,250	.....	900	7,000	9,400
May.....	1,700	800	.....	1,500	$1,600	6,475	50	3,550	23,500	.....	276,000	800
June.....	189,000	.....	.....	.....	6,000	2,475	.....	8,175	.....	3,000	150	550
July.....	.....	.....	2,000	600	.....	1,300	70,000	3,375	.....	125	9,500	7,150
August.....	.....	400	.....	.....	.....	.....	.....	975	40,000	900	6,200	5,200
September..	1,000	3,900	71,000	175	.....	2,825	200,000	2,400	.....	200	4,000	850
October....	3,000	2,000	25	2,500	500	625	1,500	1,050	2,000	1,725	11,900	1,525
November...	1,500	.....	.....	10,700	.....	50	200,000	8,350	.....	200	2,000	5,650
Totals....	$213,200	$14,650	$113,025	$26,175	$8,100	$15,075	$486,800	$46,500	$65,650	$13,025	$333,025	$38,305

COST OF BUILDING OPERATIONS FOR 1907.—*continued.*

	WARD 7.		WARD 8.		WARD 9.		WARD 10.		WARD 11.		TOTALS.	
	New.	Additions and Repairs.	New.	Additions and Repairs.	New.	Additions and Repairs.	New.	Additions and Repairs.	New.	Additions and Repairs.	New.	Additions and Repairs.
December	.....	.....	.....	$200	$750	$200	$8,150	$1,000	.....	$35	$14,650	$5,385
January	.....	.....	.....	2,500	.....	2,000	4,000	100	.....	.....	22,950	16,000
February	.....	$2,500	.....	.....	.....	.....	5,000	300	.....	525	52,475	10,125
March	.....	.....	$90,000	.....	63,800	5,000	75,500	2,200	8,050	1,925	246,250	31,355
April	$35,200	$4,775	325	590,425	11,400	6,175	5,000	500	250	2,550	66,275	621,650
May	4,000	1,250	55,010	.....	4,075	1,050	18,000	525	47,000	3,830	430,935	19,780
June	7,000	4,575	.....	21,350	46,500	1,075	25,100	100	6,000	950	279,750	42,250
July	11,000	7,800	.....	5,000	15,300	4,950	.....	6,300	700	9,200	108,500	45,800
August	4,000	2,550	.....	5,105	21,900	3,550	.....	.....	6,550	1,880	78,650	20,560
September	.....	19.200	.....	.....	.....	2,525	.....	.....	.....	380	276,000	32,455
October	4,800	1,750	.....	850	16,500	1,000	200	500	250	1,050	40,675	14,575
November	10,000	400	200	.....	400	.....	12,000	850	.....	.....	226,100	26,200
Totals	$76,000	$44,800	$145,535	$625,430	$180,625	$27,525	$152,450	$12,375	$68,800	$22,325	$1,843,210	$886,135

Cost of building operations for previous years:—

1902	$2,232,365 00
1903	1,290,694 00
1904	1,964,020 00
1905	1,659,875 00
1906	1,458,105 00

It will be noticed that the building operations for the past year show a gain over the previous year of 87%, which percentage, according to statistics, is exceeded by only one other city in the United States, namely, Tacoma, Washington. This gain is due to the number of manufacturing buildings erected, there having been comparatively little done in the line of dwellings.

BOARD OF EXAMINERS OF PLUMBERS.

As chairman of the Board of Examiners of Plumbers, I submit the following report:—

Number of candidates examined for master plumbers' license	8
Number of master plumbers' licenses granted	7
Number of candidates examined for journeyman plumbers' license	7
Number of journeyman plumbers' licenses granted	3

INSPECTION OF PLUMBING.

Following is a detailed report of the Inspection of Plumbing Department:—

Number of applications received and permits granted	418
Number of tests and inspections	1,426
Number of jobs found defective or otherwise not in accordance with the plumbing ordinances	7
Number prosecuted for violation of the plumbing ordinances	0
Number of master plumbers holding certificates	38
Number of journeyman plumbers holding certificates	62
Number of master plumbers holding licenses	53
Number of journeyman plumbers holding licenses	68
Amount received for license fees	$46.50

In conclusion, I desire to extend my thanks to His Honor the Mayor, the Committee on Public Property, and the City Council for the courtesy and consideration shown me during the year.

Respectfully submitted,

THOS. F. TRACY,

Superintendent of Public Buildings.

REPORT OF THE TRUSTEES OF THE BRIDGE CHARITABLE FUND.

The annual report of the Trustees of the Bridge Charitable Fund for the year ending November 30, 1907, being the thirty-first since its foundation, is herewith submitted.

The amount on deposit at the Cambridgeport Savings Bank, July 18, 1906, to the credit of this fund was	$2,430 82
Interest added to July 18, 1907	75 45
Amount of Fund November 30, 1907	$2,506 27

In the last annual report it was stated that the sum of $2,335.70 had been withdrawn from the fund Dec. 22, 1905, and paid over to the Overseers of the Poor, the amount being due to them under the provisions of the original bequest by Levi Bridge.

Since then the interest accumulations have been as follows:—

Interest added to July 18, 1906	$82 55
Interest added to July 18, 1907	75 45
	$158 00
Of the latter sum 2-3 is due and payable to the Overseers of the Poor, viz.	$105 33
Leaving amount of interest to be added to the fund	$52 67
The amount of the fund Dec. 22, 1905, was	2,348 27
Net amount of interest to date	52 67
Actual amount properly belonging to the fund Nov. 30, 1907	$2,400 94

Though the amount of this fund is nominally in charge of a Board of Trustees, they can do little else than note its gradual increase under the provisions of the will of the founder. Year by year there will be a gradually increasing accretion of interest until at length in a not distant period there will be a magnificent fund, out of which the deserving poor of Cambridge, irrespective of color, nationality or religious creed, may be liberally aided.

The Trustees of the Fund for the past year would repeat the suggestion made in the last year's report, that those who may be sufficiently interested in the subject of this foundation may learn the story of its establishment in the report for the year 1876, to be found on

page 152 of the City Document for that year. The opportunity will always exist for other kindly disposed citizens to add their contributions to the fund, and so hasten the glad day when its large accretion may be consantly available for the purposes of the donor.

The present trustees would repeat the invitation of the last year to the good people of Cambridge to add their contribution to the slowly accumulating fund which perpetuates the name and unselfish generosity of Levi Bridge.

WALTER C. WARDWELL,
CHARLES H. LAKE,
ROBERT W. HUNTER,
Trustees of Bridge Charitable Fund.

REPORT OF THE TRUSTEES OF THE SANDERS TEMPERANCE FUND.

The forty-second annual report of the Board is herewith presented.

The faithful missionary of the fund, Mr. James Hicks, has unceasingly carried on his philanthropic work during the past year. He was appointed to his position in May, 1896, on the death of his venerable predecessor, Alonzo Stewart, who died May 5, 1896, in the 86th year of his age. For twenty-one years the latter had labored in behalf of the unfortunate victims of intemperance, and endeavored to surround their homes with uplifting moral influences, and to fill them with happiness. The mantle of this departed reformer found its proper resting place when it descended upon the shoulders of the present missionary, and it may be truly said that if the history of his private work were unveiled, hundreds of families would bear witness to the efficacy of his labors. For forty-three years the City has exercised the provisions of the Sanders bequest of $10,000 and has kept on duty a misionary to fulfill its requirements.

The reports of former years in relation to this fund relate its history in detail, and to them reference may be made by such as are interested. When the money which comprises this fund was received it was merged in the general cash of the treasury, and it is now represented as a debt due from the City. It was prescribed that the interest should be paid as a salary to the misionary, the amount at the time being equal to six per cent. per annum. Then the salary of $600 per year was deemed a fair compensation for the services to be rendered. Now, it is sadly inadequate, and after deducting the cost of keeping a horse, which is quite necesary, the compensation is not more than that paid for ordinary unskilled labor.

The deep interest felt by the misionary in the work he has undertaken is shown by his unceasing activity in its behalf, "in season and out of season." His report, hereto appended, tells in his own way the story of the year's results.

WALTER C. WARDWELL,
CHARLES H. LAKE,
ROBERT W. HUNTER,

Trustees of Sanders Temperance Fund.

CAMBRIDGE, MASS., Dec. 20, 1907.

To the Trustees Sanders Temperance Fund:—

GENTLEMEN:—In accordance with your requirements and past custom, I hereby present my report for the year 1907. It seems as I sit down to write a report of my work for any one year, that I can but give a very poor account of my manifold labors amongst the poor and the needy of our City. The calls for help and advice come to me every day. The work itself brings to me inspiration and the people who need help make my feet impatient until I render what little assistance is in my power.

I am deeply thankful to Almighty God that the work given me to do in His name never becomes irksome or monotonous. I well know it is for me to be faithful and give out the very best there is in me, whether men hear or cast a dull ear to the warning voice against the sin of drunkenness or whatever the stumbling block may be over which they fall.

I can but give a brief summary of work done and the various means used to accomplish the same. My daily attendance at the District Court is well known throughout the City. Those in trouble come seeking advice; few days pass without one, two or more coming to meet me in court, some to make complaint to the Judge, others asking me to speak to the Court in behalf of the unfortunate husband or other member of the family, as the case may be. Some, and I regret to say, a large number, come to make complaint to the Court for non-support of family and want information as to how they are to reach the Judge. I am able to deal with a goodly number who come amongst the last class without their trouble reaching the ears of the Judge. Good advice is given and received and a proper understanding arrived at.

During the past year I have given a good deal of my time and attention to cases of this nature that reach the Court. Through the kindness of the Judge, I am permitted to look after several of them during their period of probation, and I have seen in the majority of cases the drink habit given up and the discordant elements in the family disappear. I know my efforts to help drinking men who come before the Court have been very successful in many cases. I try by my example as well as my word to train these men to attend the temperance reform meetings held in the City. Here I have those report to me who are placed in my care. They soon become interested

and help the work along with their testimony for temperance and the keeping of the pledge. Many of these men after their probation expires continue their work with the others who have been reformed and work for the man they left behind, until they get him to take the pledge with them. It is in cases like these mentioned, I find, that the good work done by the Court, the Probation Officers and others interested in the temperance reform, have not been in vain, but come to stay in the life. I am pleased to say that none of us who are interested in the uplifting of our fallen brothers have their future more at heart than the Judge who presides over the Court day after day. This I have observed for a good many years; good advice is given, short sentences are imposed, and every other means used to save before the father is sent away from his family. I find in many cases the short sentences have been beneficial and answered a purpose that no advice previous had been able to accomplish. They returned to their homes with new plans and purposes and started in to live in accordance with the same.

PUBLIC TEMPERANCE MEETINGS.

At present there are three weekly meetings held. The Sunday evening meeting in Raymond Hall has lived for over fifty years and been the birthplace of many a poor drunkard who has entered its portals.

Here the pledge of total abstinence is given. Some time ago I was asked by a clergyman of our City: "What do you do at those meetings?" Perhaps it would be well for me to say: "We give the pledge to all we can reach, bad or good." The meetings are carried on by reformed men. We listen to temperance addresses, also testimonies from reformed men who love to tell the story of their redemption from strong drink. These men tell what they were and what they are now, and this inspires the drinking man, who may enter the meeting, to step forward and take a like pledge with them.

A similar meeting is held on Monday evening in the vestry of the Hope Church on Harvard St., and another on Wednesday evening in the hall of the East End Christian Union on Burleigh St. I have been present at 224 of these gatherings and assisted the work along. Over 700 men signed the pledge during the year.

HOUSE OF CORRECTION.

I have collected many thousands of pages of literature for reading matter for the prisoners, made many visits to individual prisoners,

attended regularly the chapel service on Sunday morning and done all in my power to assist the worthy chaplain of the institution.

I have received many encouraging letters from discharged prisoners, who have, as they say, changed their lives since they went out. I have made several visits to our City institutions, especially the City Hospital, where patients send for me who are under treatment. In all these institutions a kind word is appreciated and I have seen it bear fruit.

VISITS MADE.

I have made over two thousand (2000) visits to the homes of those I have had to do with throughout the year, and in every case felt better and I trust was instrumental in others' happiness as well as my own.

This is where the sowing of the good seed comes in, but I have no place in a report like this to give results.

CAST-OFF CLOTHING.

I am deeply indebted to the management of the Cambridge Tribune and Chronicle for their kindness in appealing to the charitably disposed each year about this time for cast-off garments. I am pleased to say that I get many responses, and in this way am enabled to give help to many poor and needy ones who come to me year after year for this charity. Several of the rummage sales have articles of clothing left over which are generally given to me for the poor. I have reeived great help in this way from the matron of the Margaret Fuller House on Cherry Street. This institution always remembers me, for which I am grateful.

NO LICENSE.

I am glad that for 21 years Cambridge has been free from the licensed saloon. This year we have come of age and it ought to be a source of great rejoicing in every household. Our great increase in no-license is only what we ought to expect. I feel that Cambridge will ever hold fast that which is good. Her influence has gone forth and been most helpful to other cities and towns, especially so this year. God bless those who have gone forth publishing the happy results in Cambridge to these places who gladly heard them and profited.

IN CONCLUSION.

I desire to thank the clergy of our City of all denominations for the hearty commendation given to my feeble efforts as I have labored with the frail members of their people, doing what little I could, not only to bring sobriety into their homes, but my advice has been the means of many a man attending the public worship in the church to which he rightfully belonged. I have also met with nothing but kindness from all classes, rich and poor. I have been much encouraged by the membership of all temperance organizations in our City, and I trust that I have been faithful to them in a direct or indirect way. They, with me, have sown the good seed of temperance. We have seen good results and hope for more, and I feel sure that the light of Eternity will reveal to us many brands plucked out of the fire who will forever and ever give glory to Him who sitteth upon His throne.

Respectfully submitted,

JAMES HICKS,

Missionary Sanders Temperance Fund.

REPORT OF THE AGENT OF SOLDIER'S AID.

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—I herewith submit the fourth annual report of the Department of Soldiers' Aid, with accounts of receipts and disbursements for the year ending November 30, 1907.

The increased disabilities, with the advanced age of the veterans and the widows, calls for a much larger appropriation each year, and as the law is very explicit relative to the care of them, every application has to be carefully considered, and each case treated in a manner which will meet with the demands of the worthy and needy.

The disbursements for the year 1907 are larger than of any previous year, and although the beneficiaries may not have been largely increased, the requests of those on the rolls have been, and will continue to require, more attention.

There are veterans on the rolls whose comfort, care, etc., would be better subserved if they would enter the National or State Soldiers' Home, where they would receive good and wholesome food, the necessary clothing and best medical attendance, and, if required, nursing; and it is constantly urged upon those, who have no close family ties, to apply for admission. As there is no place for the widows whose needs become larger each year, provision has to be made for them at their homes in accordance with the law, in order to prevent their going to the City Home.

Under the present condition, the affairs of this department cannot be conducted in the manner they should. There are no facilities for keeping the records and histories by themselves, and when information is called for by the State Commissioners, or when it is necessary to consult previous histories, much time is wasted by the way in which everything (by necessity) is kept. Where so large an amount of money is being expended, other arrangements than the present ought to be made for the disbursement of the same.

The following is a statement of the appropriations and expenditures, etc., for the year ending November 30, 1907:—

Number on rolls December 1, 1906	458	
Added during the year	81	
Total	539	
Dropped by death and other causes	61	
Total remaining		478

Appropriation	$27,000 00	
Additional appropriation October 29, 1907	3,500 00	
Total appropriation		$30,500 00
EXPENDED.		
Pay-rolls:—State Aid	$15,112 00	
" Military Aid	890 00	
" Soldiers' Relief	12,080 00	
" Clerk's Salary	500 00	
Burials	644 00	
Sundry bills (groceries, fuel, etc.)	1,146 74	
Total expended		$30,377 74
Relinquished to Treasury		$122 26

In closing this report, I wish to extend to the members of the Committee on Soldiers' Aid my sincere thanks for the careful and just consideration they have given to each applicant, who has appeared before them.

Respectfully,

EBEN W. PIKE,

Agent and Clerk.

REPORT OF THE CITY MESSENGER.

OFFICE OF CITY MESSENGER,

CAMBRIDGE, MASS., Deccember 1, 1907.

To the Honorable, the City Council, Cambridge, Mass.:—

GENTLEMEN:—In compliance with the provisions of Section 3 of Chapter 8, of the Revised Ordinances of 1892, as amended to Nov. 8, 1899, the City Messenger has the honor to submit his annual report for the year ending November 30th, 1907, as follows:—

Stock of stationery on hand December 1, 1906	$664 34
Purchased during the year	1,688 31
	$2,352 65

Delivered to the several departments as follows:—

Assessors' Department	$67 55
Auditing Department	32 20
Board of Health	51 29
Board of Survey	2 90
Celebrations (Old Home Week)	41 75
Cemetery Department	63 71
City Clerk Department	129 23
City Council Expenses	47 27
City Messenger Department	135 97
Clerk of Committees' Department	91 44
Election Expenses (City Clerk	88 25
Electrical Department	21 11
Engineering Department	48 54
Executive Department	79 17
Fire Department	10 64
Inspector of Milk and Vinegar	4 69
Law Department	39 14
Overseers of the Poor	76 00
Park Department	53 02
Police Department	40 32
Public Library Department	112 00
Sealer of Weights and Measures	10 78
Sewer Department	14 04
Soldiers' Aid Department	16 87
Street Department	138 06
Superintendent of Buildings' Department	19 21
Registrars of Voters	18 82
Treasury Department	34 68
Water Department	44 93
Stock on hand December 1, 1907	819 07
	$2,352 65

During the year annual documents have been received from the following cities and towns and are on file in the reference library:—

Bangor, Me., 1907
Belmont, 1906
Beverly, 1906
Brookline, 1907
Burlington, Vt., 1906
Chicopee, 1906
Chelsea, 1906
Concord, N. H., 1906
Everett, 1906
Fall River, 1906
Fitchburg, 1906
Holyoke, 1906
Lawrence, 1906
Lowell, 1906
Lynn, 1906
Marlboro, 1906
Malden, 1906
Man. Mass. Gen. Court, 1907
Medford, 1906
Melrose, 1906
Nashua, N. H., 1906
New Bedford, 1906
Newton, 1906
Newport, R. I., 1906
North Adams, 1906
Northampton, 1906
Portland, Me., 1906
Pittsfield, 1907
Providence, R. I., 1906
Salem, 1906
Somerville, 1906
Springfield, 1907
St. Louis, Mo., 1906
Taunton, 1906
Wakefield, 1907
Waltham, 1906
Watertown, 1907
Woburn, 1906
Worcester, 1907

Respectfully submitted,

FRANK T. EVANS,

City Messenger.

REPORT OF THE BOARD OF SURVEY.

CAMBRIDGE, December, 1907.

The Board of Survey of the City of Cambridge herewith submits its seventh annual report.

A vacancy having existed in the membership of the board since the beginning of July, 1906, caused by the resignation of James A. Wood, Esq., the business for the six months following was transacted by the remaining members of the board. The term for which Mr. Wood was appointed would have expired at the end of the year. In the month of April, 1907, His Honor the Mayor appointed Clement G. Morgan, Esq., to fill the then existing vacancy and for the full term of three years from January 1, 1907.

The board has given numerous hearings during the year relative to the approval of plans for the acceptance, widening, extension and laying out of various streets. Pursuant to a notice duly issued according to law, a public hearing was given April 17th, upon the petition of H. O. Marcy, that the lines of Ames Street, a private way so-called, the plan of which had heretofore been approved by the Board of Survey, be "changed so as to permit a single square between it and Bradford Street extending to Amherst Street, of not less than 500 feet."

The two streets above named are included in the plan for the laying out of all the territory between Massachusetts Avenue and Main Street, bordering on the Charles River.

A large number of interested parties, both for and against the proposed change, appeared at the hearing, but no action was taken upon the matter at the time. A further hearing was given to the petitioner on May 22nd until decision thereon.

Duly notified hearings were given at the same time, relative to the approval of plans of—

Cambridge Terrace from Richdale Avenue to Buena Vista Park.
Herbert Street from Buena Vista Park to Richdale Avenue.
Yorktown Street from Seven Pines Avenue to Somerville line.
Vandine Street from Berkshire Street to Portland Street.

No action was taken on these streets after the hearing.

Hearings were also given, on June 12, relative to plans of Frank-

lin Street: Extension from Sidney Street to Blanche Street. Petition of Asa E. Lamson and others.

Bowdoin Street: Extension to Hudson Street and widening. Petition of Z. Hayden and others.

Hudson Street: Widening. Petition of W. G. MacLeod.

Winthrop Street: Dunster Street to Holyoke Street, proposed laying out.

No action was taken on these at this hearing.

Further hearings were given on July 17 on plans as follows:

Allston Street: Proposed extension from Magazine Street to Kenwood Street; petition of T. H. Raymond and others for modification of plan of May 16, 1905, in accordance with new plan dated May 31, 1907.

Ash Street: Extension from Mount Auburn Street southerly to Charles River Road; petition of William H. Hill and others.

Cambridge Terrace: Petition of C. A. Mason for partial acceptance from Richdale Avenue to west line of Herbert Street.

Phillips Place: Garden Street to Berkeley Street; petition of Mrs. A. B. Hildreth et al. for acceptance.

Sparks Street Court: Petition of John F. O'Brien et al. for acceptance as Manassas Avenue.

Gorham Street: Extension from Wendell Street to Sacramento Street; petition of G. B. and G. W. Creelman and others.

Action on all these matters was postponed, until these streets could be visited by the Board.

On Wednesday, July 24th, the Board went out and visited all the proposed streets, upon the proposed laying out of which hearings had been given.

On October 23, a legally notified hearing was given by the Board upon plans of—

Manassas Avenue: Formerly known as Sparks Street Court.

Phillips Place: Garden Street to Berkeley Street.

Binney Street: Third Street to Ninth Street.

Binney Street widening: From railroad track to Ninth Street.

These were not acted upon at this meeting.

On November 27, hearings were given relative to the approval of street plans, as follows:—

Maple Avenue: Proposed widening, as prayed for by George F. Lawton and others.

Railroad Street, between Middlesex Street and Sherman Street,

petition of Metropolitan Coal Co. for acceptance of the street between the points stated.

No conclusion had been reached as to the above named streets up to November 30.

Under authority given to the Board by the Statutes of 1900 and 1903, the plan of Tenney Street was so modified as to allow the obstruction of a bay window to remain temporarily over the street line.

Following is a list of various private ways, acceptance plans of which were approved from time to time during the year:—

Date of Approval.	Streets.	From	To	Date of Plan.
July 24	Allston St. Extension.	Magazine St.....	Kenwood St.....	May 31, '07
" "	Ash St. Extension.....	Mt. Auburn St.	Parkway	Oct. 13, '86
" "	Bowdoin St. Extension and widening ..	Hudson St.....	Northerly	Nov. 12, '83
" "	Franklin St. Extension	Sidney St.....	Blanche St.....	May 20, '07
" "	Gorham St. Extension	Wendell St.....	Sacramento St.	May 31, '05
Oct. 23	Manassas Ave.	Concord Ave.....	Huron Ave.....	June 6, '07
" "	Phillips Place	Garden St..... ...	Berkely St.....	Aug. 10, '07
July 24	Winthrop St.....	Dunster St.....	Holyoke St.....	Oct. 1881
Nov. 6	Vandine St.	Berkshire St.	Portland St.	Apr. 22, '07
July 24	Yorktown St.....	Seven Pines Ave. ...	Somerville Line	Jan. 23, '03

Petitions and plans of the proposed lines of other streets upon which hearings were given other than those above named, have been considered by the Board, without further action thereon, up to November 30, as follows:—

Ames Street: Petition of H. O. Marcy for a change of lines as stated at beginning of this report.

Cambridge Terrace: Petition and plan by W. A. Mason & Son.

Herbert Street: Petition and plan by W. A. Mason & Son.

Hudson Street: Petition of W. G. MacLeod for a partial widening from Massachusetts Avenue southerly.

Maple Avenue: Petition for widening on southerly side.

Railroad Street, between Middlesex Street and Yerxa Road: Petition of Metropolitan Coal Company for acceptance.

Binney Street, between Third and Ninth Streets: Petition of New England Maple Syrup Company and others for acceptance.

Binney Street, from Ninth Street to Boston & Albany R. R.: Petition for widening.

The foregoing matters are still pending before this Board.

The petition of S. F. McArthur and others for the laying out of Magazine Court, which had been before this Board since the beginning of the year 1905, was finally disposed of, by the action of the

abutters, they having agreed to make a new plan for a layout of the Court from Allston Street extension southwesterly and northwesterly to Kenwood Street. The petition has therefore been reported to the City Council.

The expenses incurred by the Board during the year were as follows:—

Amount of appropriation		$175 00
EXPENDED.		
Advertising hearings, etc.	$65 00	
Printing Annual Report for 1906	6 85	
Stationery and postage	3 88	
Carriage hire	22 00	
Typewriting records	2 00	
Salary of Clerk for 1906	75 00	
Total		174 73
Balance unexpended		$0 27

The foregoing pages include a brief recital of the doings of the Board in the past year. The various petitions relative to the laying out of streets have received careful consideration. Though it has not been able in the exercise of a deliberate judgment to pass immediately upon all plans committed to it, it is believed that the interests of our City are not suffering through any delay in the action of the Board upon any plan, but they are in some cases best conserved by such delay.

JOHN P. LEONARD,
FREDERICK A. McMENIMEN,
CLEMENT G. MORGAN,

Board of Survey.

REPORT OF THE SEALER OF WEIGHTS AND MEASURES.

OFFICE OF THE SEALER OF WEIGHTS AND MEASURES,

BRATTLE SQUARE, CAMBRIDGE, December 1, 1907.

To the Honorable, the City Council:—

In compliance with the City Ordinance, I respectfully submit a report for the Department of Weights and Measures for the year ending November 30, 1907.

Appropriation			$2,850 00
	EXPENDED.		
Salaries of Sealers:—			
Felix C. McBridge		$734 40	
George H. Dinan		465 60	
John C. Connors		900 00	
Emory T. Morris		71 54	
		$2,171 54	
Assistants:—			
John T. Costello	$20 40		
Edward H. McCarron	19 20		
John J. Cosgrove	57 40		
M. M. Ford	3 00		
		100 00	
Care of horse:—			
Street Dept., for board	$180 00		
Street Dept., for shoeing	17 31		
Fred D. Norton, clipping	2 50		
		199 81	
Repairs on wagons and harnesses:—			
Burton & McCannon	$18 30		
Owen Doherty	6 35		
		24 65	
Mark acid:—			
Malden Specialty Co.	$14 00		
John J. Hargraves	9 00		
		23 00	
Equipment:—			
E. E. Breen, wagon	$85 00		
H. C. Diamonds, dies seals	18 35		
Brock & Eaton, hardware	6 90		
John J. McGivney, brands	4 10		
Chadwick-Boston Lead Co., lead	3 00		
Moneyweight Scale Co., arch	2 00		
F. T. Lord Polish Co., polish	1 00		
Seelye Mfg. Co., repairing scales	1 00		
Amounts carried forward	$121 35	$2,519 00	$2,850 00

Amounts brought forward . .	$121 35	$2,519 00	$2,850 00
Billings & Stover, barium .	60		
The Fairbanks Co., weight .	30		
		122 25	
Office incidentals:—			
N. E. Tel. & Tel. Co., service	$18 55		
Boston Elevated Ry. Co., car tickets	35 00		
Caustic, Claflin Co., receipt books	20 50		
City Messenger, stationery .	10 78		
Cambridge Chronicle, adv. .	10 00		
J. Frank Facey, printing .	10 25		
J. A. Cummings Co., Annual Report	7 38		
W. A. Greenough, Directory .	4 00		
Helen C. Littlefield, typewriting report	3 50		
Amee Bros., carbon paper . .	50		
Sawin's Express, expressage .	30		
George H. Dinan, expressage .	25		
John C. Connors, expressage .	60		
		121 61	
			2,762 86
Appropriation			$2,850 00
Expenditures			2,762 86
Amount unexpended			$87 14

SPECIAL APPROPRIATION FOR REMOVAL OF CITY SCALES.

Appropriation			$550 00
EXPENDED.			
McGahey & O'Connor, building pit . . .		$189 05	
John Quinn, lumber, labor		92 72	
The Fairbanks Co., repairing iron . . .		72 17	
Street Dept., stone, labor		98 38	
Mass. Broken Stone Co., stone		51 36	
Burton & McCannon, hardware		3 75	
C. S. Roach, hardware		2 30	
Brock & Eaton, hardware		36	
John C. Connors, sundries		25	
			510 34
Amount unexpended			$39 66
REVENUE.			
Fees for sealing		$613 73	
Fees for adjusting		30 14	
Weighing fees, F. W. Bartlett		13 75	
Weighing fees, W. A. Cheyne		22 29	
Weighing fees, E. I. Train		59 20	
			$739 11
Unpaid fees for 1907			2 19
Total of fees collected			$736 92
Total amount expended		$3,273 20	
Total of fees collected		736 92	
Net expense of Department . . .			$2,536 28

TESTS MADE AT OFFICE FOR YEAR ENDING NOVEMBER 30, 1907.

S—Sealed. A—Adjusted. C—Condemned.

	Scales.			Weights.			Dry Measures.			Liquid Measures.			Yard Measures.		Milk Measures	
	S	A	C	S	A	C	S	A	C	S	A	C	S	C	S	C
1906																
Dec	10	2	1	3	2	....	13	....	....	4	....	....	....	....	16,696	13
1907																
Jan	20	5	1	7	....	....	33	....	....	112	7	....	....	....	14,929	51
Feb	11	1	....	....	....	....	8	....	....	110	9	2	....	....	10,176	102
Mar	43	6	5	34	1	....	156	1	2	50	8	3	....	....	17,366	76
Apr	144	5	11	8	....	....	316	....	3	70	11	1	....	....	6,572	20
May	26	4	1	23	2	....	74	1	1	18	....	....	1	....	6,427	4
June	14	....	1	20	....	....	12	....	....	2	....	....	....	....	8,192	37
July	8	2	....	8	2	....	7	....	....	9	4	....	....	....	12,761	....
Aug	....	....	....	....	....	....	8	....	....	....	....	....	....	....	5,446	26
Sept	5	....	....	1	....	....	3	....	....	1	....	....	....	....	10,848	....
Oct	4	1	2	....	....	....	1	....	....	3	....	....	....	....	3,235	140
Nov	5	....	....	....	....	....	16	....	....	....	....	....	....	....	15,622	144
	290	26	22	104	7	....	647	2	6	379	39	6	1	....	128,270	613

Total number of tests made at office, 130,338.

TESTS MADE OUTSIDE OF OFFICE FOR YEAR ENDING NOVEMBER 30, 1907.

A—Adjusted. S—Sealed. C—Condemned.

	Scales.			Weights.			Dry Measures.			Liquid Measures.			Yard Measures	
	S	A	C	S	A	C	S	A	C	S	A	C	S	C
1906														
Dec	8	2	....	27	.....	....	4	.....	....	1	.....	....	.....	
1907														
Jan	7	2	1	22	.....	....	6	.....	1	.....	.....	....	.....	
Feb	.....	.....	....	.....	.....	....	.....	.....	....	.....	.....	....	.....	
Mar	.....	.....	....	.....	.....	....	.....	.....	....	.....	.....	....	.....	
Apr	1	.....	....	8	.....	....	22	.....	....	.....	.....	....	.....	
May	215	23	8	587	52	....	209	.....	4	240	5	6	22	
June	262	30	8	730	83	....	237	1	10	289	.....	6	16	
July	198	31	6	764	123	....	104	.....	6	172	2	4	2	
Aug	430	45	9	1,394	282	....	85	.....	4	134	.....	....	38	
Sept	122	11	5	377	47	....	79	.....	4	123	1	5	15	
Oct	271	44	16	860	188	....	250	.....	7	278	.....	4	17	
Nov	262	43	15	716	192	....	290	2	12	322	.....	13	33	
	1,766	231	68	5,485	967	....	1,286	3	48	1,559	8	38	143	

Total number of tests made outside office, 10,403.

RECORD OF TESTS MADE FOR YEAR ENDING NOVEMBER 30, 1907.

	Sealed.	Adjusttd.	Condemned.	Total Inspected.	Per cent. Sealed.	Per cent. Adjusted.	Per cent. Condemned.	Number Correct.	Number Incorrect.	Per cent. Correct.	Per cent. Incorrect.
Scales	2,066	257	90	2,156	95.8	11.9	4.2	1,809	347	83.9	16.1
Weights	5,589	974	.....	5,589	100.0	17.4	.....	4,615	974	82.6	17.4
Dry Measures	1,933	5	54	1,987	97.2	.3	2.8	1,928	59	99.7	.
Liquid Measures	130,208	47	657	130,865	99.5	.....	.5	130,161	704	99.5	.5
Yard Measures	144	.....	.....	144	100.0	.....	.....	144	.....	100.0	.....
	139,940	1,283	801	140,741	98.5	5.9	1.5	138,657	2,084	93.1	6.9

Total number of tests made, 140,741.

WEIGHTS AND MEASURES DEPARTMENT.

INVENTORY OF PROPERTY.

STANDARDS FURNISHED BY THE COMMONWEALTH.

1 balance, 5 grains to 100 lbs.
1 set (5) avoirdupois weights, 50 lb., 25 lb., 20 lb., 10 lb., 5 lb.
1 set (11) avoirdupois weights, 4 lbs. to 1-16 oz.
1 kilogram in case.
1 steel meter in case.
1 brass yard measure.
1 set (5) iron dry measures, 1-2 bush. to 1 quart.
1 set (6) iron liquid measures, 1 gallon to 1 gill.

1 roll top desk.
1 black walnut desk, used by Supt. of Janitors.
1 black walnut desk.
3 chairs.
1 table
1 clothes press
1 scale cabinet.
1 wooden cabinet.
2 benches.
1 sink.
5 mats.
1 set Revised Laws.
1 set card records—oak case.
1 set card index—oak case.
1 hektograph.
1 letter press.
1 blotter bath.

Miscellaneous books	$200 00
1 bay horse	200 00
1 express wagon	100 00
1 light wagon	85 00
1 pung	23 00
2 harnesses	70 00
1 plush robe	1 00
1 stable blanket	2 00
1 rain blanket	2 00
1 woolen blanket	5 00
1 halter	75
1 hitch weight	50
1 platform scale, 1-2 lb. to 2500 lbs.	75 00
1 folding platform scale, 1-4 lb. to 600 lbs.	30 00
1 balance, 1-10 millegramme to 500 grammes	35 00
1 balance, 1-50 grain to 1-2 lb.	15 00

1 sealers' balance, 1 grain to 8 lbs.	50 00	
2 sealers' trip scales (not used)	5 00	
1 spring scale, 1 lb. to 125 lbs.	1 00	
2 sets (19) avoirdupois weights, 4 lbs. to 1-8 oz.	10 00	
1 set (9) troy weights, 16 oz. to 1-8 oz.	3 00	
1 set (13) metric weights, 1 kilo to 1 gramme	5 00	
5 boxes miscellaneous weights (not standardized)	10 00	
1 set (3) iron weights, 25-lb., 10-lb., 5-lb.	5 00	
40-50-lb. weights	100 00	
1 arch	2 00	
3 glass graduates	1 00	
1 set (21) grain weights, 1000 gr. to 1-100 gr.	13 50	
1 set (21) metric weights, 50 gram to 1-10 mg.	13 50	
1 set (5) copper dry measures, 1-2 bush. to 1 quart	45 00	
1 set (3) brass dry measures, 1 qt. to 1-2 pint	5 00	
2 sets (14) copper liquid measures, 1 gal. to 1 gill	30 00	
1 yard measurs	1 50	
1 iron truck	5 00	
1 5-gal. copper measure	15 00	
1 steel tape	10 00	
1 pair of inside callipers	3 50	
1 set brands	3 00	
1 plumbers' furnace	5 00	
Miscellaneous tools	50 00	
1 wagon scale (Lechmere Square	400 00	
1 wagon scale (Porter Road)	400 00	
		$1,985 25

During the last five years the testing and sealing of milk jars has greatly increased. One firm in this City has used approximately 100,000 jars this year, and the department looks forward to an increased number to be tested and sealed next year.

The business of selling coal in bags containing one hundred pounds has increased considerably, especially in the winter months. Section 89, Chapter 57, Revised Laws, gives the Sealer authority to reweigh any coal and to prosecute any violations of the statute. As there are very few consumers who have facilities for weighing this coal, the department is equipped with a scale which is carried on the wagon and inspections are made from the dealers' wagons on the street. Considerable time was devoted during the late spring and summer to the inspection of ice scales.

Many new laws regarding weights and measures were placed on the statute books this year, one of the most important being the following chapter:

Chap. 535. Acts of 1907.

An Act to provide for the Testing and Sealing of Weights, Measures and Balances having a Device for indicating the Price as well as the Weight of Commodities offered for sale.

Be it enacted as follows:

Section 1. The provisions of chapter sixty-two of the Revised Laws relating to the adjusting, testing and sealing of weights, measures and balances shall apply to all scales, balances, computing scales and other devices having a device for indicating or registering the price as well as the weight of the commodity offered for sale. All such computing devices shall be tested as to the correctness of both weights and values indicated by them.

Section 2. A sealer or deputy sealer shall seal such devices when tested and found correct, or shall mark, condemn or seize such devices if incorrect, in accordance with the provisions of said chapter sixty-two applicable to weights, measures and balances, and all penalties imposed by said chapter for violation of the provisions thereof relative to weights, measures and balances shall also be applicable to such devices.

Section 3. This act shall take effect on the first day of October in the year nineteen hundred and seven. (Approved June 19, 1907.)

When the question of how to enforce this law was considered, the department met with serious obstacles. After consulting with the City Solicitor, it was decided that certain of the barrel-shaped type of scales were contrary to the law and steps were taken to condemn these instruments.

One of the companies which manufactures the majority of these scales applied to the Massachusetts Supreme Court for an injunction restraining this department from interfering in any way with their scales. The claims of the City were ably defended by Mr. Pevey and the injunction was refused. As a result, practically all of this type of scale will be condemned or the value figures covered and rendered useless.

Any computing scale now used in the City of Cambridge must bear correct values as well as correct weights.

During the past year six persons have been summoned into court for violations of the weights and measures laws, five being found guilty and sentenced to pay fines.

Respectfully submitted,

FELIX C. McBRIDE,
Sealer of Weights and Measures.

REPORT OF THE TRUSTEES OF THE DOWSE INSTITUTION.

CAMBRIDGE, Dec. 1, 1907.

To the Honorable, the City Council:—

The Board of Trustees of the Dowse Institute respectfully report that a course of four lectures, one concert, one reading and two entertainments was given in Durrell Hall beginning January 2 and ending Feb. 19, 1907.

An attached copy of accounts of Treasurer is herewith submitted, showing the amount of the receipts and expenditures.

FRANK A. ALLEN,
W. A. BULLARD,
GEO. HOWLAND COX,
Board of Trustees.

W. A. BULLARD, TREASURER IN ACCOUNT WITH DOWSE INSTITUTE.

DR.		CR.	
1907.		1907.	
To Balance	$129 91	By Cambridge Chronicle, advertising	$10 00
City of Cambridge, interest on fund one year	600 00	Cambridge Tribune, advertising	10 00
Interest on deposits	2 08	Postage	4 00
		L. F. Weston, printing	10 50
		C. C. Moir, use of piano	5 00
		C. L. Russell, doorkeeper	8 00
		Y. M. C. A., rent of hall	200 00
		A. K. Rech, lecture	50 00
		H. L. Southwick, reading	35 00
		M. E. Tenney, lecture	35 00
		G. W. Bicknell, lecture	35 00
		Harrington Upham Concert Company	35 00
		Ruth F. Parker, entertainment	35 00
		Beatrice Hereford, monologue	100 00
		Francis Hazeltine, lecture	20 00
		Balance	139 49
	$731 99		$731 99

ATTEST: W. A. BULLARD,
Treasurer.

Audited:
GEO. HOWLAND COX.

REPORT OF THE CHIEF ENGINEER OF THE FIRE DEPARTMENT.

CHIEF ENGINEER'S OFFICE, CITY HALL,

CAMBRIDGE, MASS., December, 1907.

To the Honorable, the City Council:—

GENTLEMEN:—I have the honor to submit herewith my third annual report of the Fire Department for the fiscal year ending November 30, 1907.

ORGANIZATION.

The number of companies are as follows:—Seven (7) engine companies, two (2) chemical companies, four (4) ladder companies, one of which has in connection with it one (1) combination hose and chemical wagon.

MANUAL FORCE.

The permanent force consists of

1 Chief Engineer.	1 Assistant Chief Engineer.
4 Captains	6 Lieutenants.
7 Enginemen.	58 Privates.

CALL FORCE.

7 Captains.	7 Lieutenants.	47 Privates.

SALARIES PAID THE DEPARTMENT.

Chief Engineer, per year	$2,000 00
Assistant Chief, per year	1,500 00
Permanent Captains, per year	1,300 00
Permanent Lieutenants, per year	1,250 00
Permanent Engineers, per year	1,200 00
Permanent Privates, per year, first year	820 00
Permanent Privates, per year, second year	920 00
Permanent Privates, per year, third year	1,095 00
Call Captains, per year	270 00
Call Lieutenants, per year	252 00
Call Privates, per year	240 00

APPARATUS.

The department has seven (7) steam engines and hose wagons to run with them, one (1) spare steam engine, seven (7) fuel wagons, two (2) chemical engines, one (1) combination chemical and hose wagon, four (4) ladder trucks and one (1) spare ladder truck. Ladder truck No. 2 is equipped with two thirty-gallon chemical tanks. There are twenty-nine (29) hand chemicals distributed on the several pieces of apparatus. Engine No. 2 has been thoroughly repaired and rebuilt, with new boiler and rubber tires on wheels. Engine No. 6 has had wheels rebuilt with rubber tires. Hose wagon No. 6 has entire new wheels with rubber tires. Ladder truck No. 1 has been rebuilt and has new wheels with rubber tires. Ordinary repairs have been made to all pieces of apparatus that they might be in as safe condition for use.

Chemical engine No. 2 will have to go to shop for extensive repairs the coming year.

Believing better service can be had from Engine No. 6, I have changed its location with Engine No. 2, so that now Engine No. 6, formerly on River Street, is now Engine No. 2 on Massachusetts Avenue, and Engine No. 2, formerly on Massachusetts Avenue, is now Engine No. 6 on River Street. The larger and more powerful engine can do better service in the factory and lumber yard district.

HOSE.

There are 15,150 feet of two and one-half inch cotton rubber lined hose in good condition. Two hundred and fifty feet of two-inch cotton rubber lined hose, and 1,150 feet of one-inch rubber hose on chemical engines. Nineteen hundred feet of two and one-half inch hose, twenty feet of four and one-half inch suction hose, seven feet of three-inch suction hose was purchased to take the place of the same amount condemned.

HORSES.

There are forty-six horses in the service. Six young horses have been purchased; three old horses were sold as unfit for fire service; one met with an accident, a broken leg, and was killed.

HOUSES.

Besides the ordinary repairs to buildings, the following named houses have been renovated by painting the inside walls and whitening the ceilings. Engine houses Nos. 2, 5, 6 and 7; ladder houses Nos. 2 and 3. Chemical house No. 2 will be painted during the coming year.

APPROPRIATIONS AND EXPENDITURES.

The appropriation for the fiscal year ending November 30, 1907, was $119,000.00.

Salaries	$100,500 00	
Additional appropriation	814 00	
		$101,314 00
Amount expended		101,244 16
Balance unexpended		$69 84
Appropriation for general expenses	$17,500 00	
Less by transfer to repairs to building	300 00	
		$17,200 00
Additional appropriation		4,040 00
		$21,240 00

ITEMS OF EXPENDITURES.

Rebuilding Engine No. 2	$2,640 00	
Apparatus, repairs on	2,764 98	
Bedding	213 65	
Brooms, brushes, mops, etc.	311 81	
Badges, insignias, etc.	66 50	
Cleaning material	191 32	
Chemical supplies	111 01	
Furniture	183 49	
Fuel for engines and houses	815 34	
Gas and electric light	913 43	
Hardware, etc.	189 82	
Harness, repairs on	390 06	
Horse hire	248 00	
Horses purchased	1,445 23	
Horse shoeing	1,331 18	
Hose, and repairs on	1,680 16	
Hay, grain and straw	6,890 88	
Laundry for department	237 45	
Oil and matches	120 16	
Printing and stationery	136 68	
Soap and disinfectant	80 85	
Miscellaneous	235 43	
		21,197 43
Balance unexpended		$42 57

Appropriation for repairs to buildings	$1,000 00	
Additional by transfer from General Expenses	300 00	
		$1,300 00
Amount expended		1,297 65
Balance unexpended		$2 35

RECEIPTS FOR JUNK.

Amount paid to treasurer	$35 27

FIRES AND ALARMS.

The whole number of alarms during the year was 498; bell alarms, 340; still alarms, 158.

The following table shows the values, losses, etc., for the past year.

	Values.	Losses.	Insurance.	Insurance Paid.
On Buildings	$1,982,705 00	$89,181 30	$1,268,165 00	$81,385 00
On contents	338,634 18	77,071 83	257,074 78	72,240 86
Totals	$2,321,339 18	$166,253 13	$1,525,239 78	$153,625 86

MEMBERS DISCHARGED.

Charles B. Egan, call man, discharged Dec. 7, 1906, at his own request.

Louis J. Stanger, call man, retired December 1, 1907, by reason of disability, and placed on pension roll.

Edward P. Donahue, call man, retired December 1, 1907, by reason of disability, and placed on pension roll.

APPOINTMENTS.

Call man William T. Anderson, appointed permanent April 14, 1907.

Frank A. Casey, Morris A. H. Skold, Thomas A. Haley, James H. McCabe, appointed permanent men, assigned to duty May 19, 1907.

PROMOTIONS.

Lieutenant, Thomas H. Kneeland, promoted to Captain Dec. 1, 1906.

George W. Stevens, promoted to Lieutenant Dec. 1, 1906.

J. Joseph Corcoran, promoted to Lieutenant Dec. 1, 1906.

Peter F. McSorley, promoted to Engineman March 31, 1907.

William Rielly, promoted to Assistant Engineman March 31, 1907.

ACCIDENTS.

January 14, 1907, Nellie Munsey, aged 3 years, was burned to death at a fire in her home No. 24 Marion Street.

January 14, 1907. Lieutenant Joseph A. Wood of Engine No. 7, responding to an alarm from Box 131, getting onto Hose Wagon No. 3, was thrown to the ground, cutting his head.

January 25, 1907. Hose Wagon No. 2 returning from an alarm at Box 134 on Columbia Street going south, driver J. A. S. Drinkwater lost control of the horses and went onto the sidewalk, breaking a window in store on corner of Harvard Street, also cutting horse on nose and breaking pole of wagon.

February 7, 1907. George W. McIntire of Engine Co. No. 5, responding to an alarm from Box 35, was injured by colliding with a pung, and was off duty seven days.

April 24, 1907. Chief's driver, William J. Atkinson, responding to an alarm from Box 42, proceeding west on the north side of Cambridge Street, collided with a horse and wagon driven by a man, name unknown, who was driving east on the north side of same street, and the man was thrown from his wagon, breaking his collar bone.

April 25, 1907. Frank L. Cutter was fatally burned at his home, 56 Cherry Street.

May 3, 1907. Mrs. William McRea, using oil to light fire in stove, was fatally burned at her home, 65 Spring Street.

June 30, 1907. David R. McGlashen, aged 38 years, Euphemia McGlashen, aged 8 years, John McGlashen, aged 6 years, and David R. McGlashen, Jr., aged 3 years, were fatally burned at their home, No. 13 Pine Street.

August 10, 1907. Mrs. Elizabeth Manuel was fatally burned by pouring oil on fire in stove at her home, No. 32 Portland Street.

November 9, 1907. Chemical Engine No. 1, crossing railroad on Western Avenue, responding to an alarm from Box 126, was struck by electric car No. 2782, tearing rubber tires on hind wheels and springing rear axle.

November 9, 1907. Engine No. 2, responding to an alarm from Box 21, the off horse fell at the corner of Brookline and Allston Streets, breaking his leg, and was killed.

November 18, 1907. Chief N. W. Bunker and his driver, W. J. Atkinson, responding to an alarm from Box 121, to avoid collision with ladder truck No. 1 at corner of Putnam Avenue and Brookline Street, was thrown from wagon and escaped with slight injuries.

DEATH.

Charles A. Blair, Engineman of Engine No. 1, died March 6, 1907, of tumor on brain.

RECOMMENDATIONS.

I would repeat a former call for more alarm boxes in various locations, also that relating to hydrant outlets to be changed from three inches to two and one-half inches.

I recommend special attention be given to providing new quarters for Engine No. 1 and No. 5, and Ladder No. 1, in accordance with my recommendation in report for last year, also that relating to a storehouse and work shop.

Ladder truck No. 3, as now constructed, is of but little use to the department, and recommend that it be rebuilt with modern appliances, such as the Dahil Compressed Air Lift, hose and play pipe, adjusted to make it a water tower, and wheels fitted with rubber tires.

With respect to all whom it may concern I would recommend that the management of the department be taken entirely away from the City Government, believing politics to be a disturbing element and dangerous to good discipline.

I believe it desirable to make the manual force of the department full paid as fast as possible, and would recommend that when a vacancy occurs in the call force that it be filled by appointing a man permanent instead of a call man, in so doing it will gradually become full paid and the expense will be more easy to meet.

In the near future permanent captains should be appointed to command engine companies. I would recommend that steps be taken to have the civil service laws so changed that the present call members of the department can be appointed to permanent positions without further examination, that the appointments be left to the discretion of the Mayor or Chief Engineer, or to both.

Experience has taught us that many needless alarms are given for chimney fires. I recommend that house owners be required to clean the soot from chimneys at stated times, and that all chimneys built in the future be built with chimney flue lining to avoid danger from all defects there may be in the brick work.

I recommend that laws be made, if not already made, that all screens to windows be adjusted so that they can be easily removed by firemen. The department was never before so delayed in their work

as at the brush factory building, No. 750 Main Street, on account of the heavy wire screens being bolted to the window frames.

CONCLUSION.

To His Honor, the Mayor, to the Committee on Fire Department, to the members of the City Council who have assisted me in my work, I desire to extend my thanks. To the officers and members of the department I am grateful for their expressions of loyalty to me, and the interest they have taken in the work of the past year, showing that the efficiency of the department is second to none in the State.

Respectfully submitted,

NATHANIEL W. BUNKER,

Chief Engineer.

APPENDIX.

ROSTER OF THE CAMBRIDGE FIRE DEPARTMENT. NOVEMBER 30, 1907.

ENGINEERS.

Name.	Rank.	Age.	Residence.
Nathaniel W. Bunker..	Chief Engineer.....	63	276 Portland street.
James M. Casey.....	Asst. Chief Engineer.	43	353 Huron avenue.

CHIEF'S DRIVER.

No. of Badge.	Name.	Rank.	Age.	Residence.
1	William J. Atkinson...	Private.....	31	100 Berkshire street.

ENGINE CO. NO. 1.

House, 108 Mt. Auburn Street.

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute, has been in service since 1883. New boiler 1901. One hose wagon drawn by two horses, with 800 feet of 2 1-2-inch hose and two 3-gallon pony chemicals; has been in service since 1889.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
2	Charles A. Cairns....	Engineman.....	41	152 River street.
3	Hiram W. Hooker.....	Asst. Engineman.	68	108 Mt. Auburn street.
4	Hiram W. Hooker, 2d.	Private.....	30	1411 Cambridge street.
5	Daniel E. Shea.....	"	50	16 Athens street.
6	Thomas F. Drummond	"	39	192 Green street.
94	James H. McCabe.....	"	25	440 Massachusetts avenue.
	Call Force.			
8	Thomas H. Kneeland..	Captain.....	43	108 Mt. Auburn street.
13	J. Joseph Corcoran...	Lieutenant.....	47	31 Ash street.
7	Cornelius J. Crowley.	Private.....	28	101 Banks street.
10	James W. Irwin.....	"	52	Oxford street.
72	Charles P. Cox, Jr....	"	35	35 Pleasant street.
84	Thomas H. Anderson.	"	26	19 Watson street.

ENGINE CO. NO. 2.

384 *Massachusetts Avenue.*

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute, has been in service since 1891. New boiler 1900. Wheels rubber tired 1907. One-horse hose wagon, equipped with 800 feet of 2 1-2-inch hose and two 3-gallon extinguishers; has been in service since August, 1892.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
14	Daniel E. Powers.....	Engineman.....	48	19 Park street.
15	John H. McDermott..	Asst. Engineman	55	11 Dodge street.
16	John D. Shea.....	Private.....	37	184 Green street.
17	James H. Furfey.....	"	50	59 Prince street.
74	William T. Anderson.	"	25	19 Watson street.
24	James A. S. Drinkwater	"	34	721 Main street.
	Call Force.			
19	Charles Emerson.....	Captain.....	62	5 Kinnaird street.
20	John J. Balfe.....	Lieutenant.....	36	1129 Cambridge street.
21	John Haley.....	Private.....	53	358 Massachusetts avenue.
22	Charles Cutting.....	"	55	812 Main street.
23	Thomas J. Conroy...	"	32	461 Cambridge street.
25	William J. Sullivan..	"	28	193 Norfolk street.

ENGINE CO. NO. 3.

35 *Third Street.*

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1871. New boiler 1905. Wheels rubber tired. One-horse hose wagon, equipped with 800 feet of 2 1-2-inch hose, and two 3-gallon extinguishers; put in service 1886.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
26	Thomas F. O'Connell.	Engineman.....	46	28 York street.
27	Frank McGrath.....	Asst. Engineman	43	39 Hunting street.
28	Albert R. Wait.....	Private.....	35	
29	Patrick J. Hayes.....	"	45	92 Gore street.
30	Wm. F. Newman, 2d..	"	37	11 Hunting street.
120	Daniel J. Holleran...	"	33	256 Elm street.
	Call Force.			
31	Walter Baker.....	Captain.....	54	40 York street.
32	John F. Brassel.....	Lieutenant.....	53	3 Marney street.
33	Timothy J. Mahoney.	Private.....	60	346 Vine street.
34	Charles H. Leddy....	"	47	32 York street.
36	Leo J. Shields.....	"	28	341 Cambridge street.
37	Joseph King.....	"	30	49 Third street.

ENGINE CO. NO. 4.

2029 Massachusetts Avenue.

Third size Amoskeag engine, drawn by two horses; capacity, 550 gallons a minute; has been in service since 1895. New boiler 1904. One-horse hose wagon, equipped with 900 feet of 2 1-2-inch hose and two 3-gallon extinguishers; has been in service since 1901. Wheels rubber tired.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
38	John E. Ricker.....	Engineman.....	63	2029 Massachusetts avenue.
39	Jeremiah O'Conner...	Asst. Engineman	49	2 Olive place.
40	John Gibson, Jr.....	Private.....	32	114 Foster street.
41	George E. Muzzey....	"	66	5 Blake street.
42	John T. Henderson...	"	38	11 Yerxa road.
56	Thomas A. Haley.....	"	26	19 Rice street.
	Call Force.			
43	Daniel A. McCaughin	Captain.....	50	Rear 5 Russell street.
45	George F. Durgin.....	Lieutenant.....	39	42 Locke street.
47	William F. Henderson.	Private.....	42	74 Rice street.
48	George A. Regan.....	"	24	43 Creighton street.
136	Ralph W. E. Hanna..	"	28	44 Rindge avenue.
49	Daniel F. McConologue.	"	35	28 Harvey street.

ENGINE CO. NO. 5.

Inman Square.

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1870. New boiler 1899. One-horse hose reel, equipped with 800 feet of 2 1-2-inch hose and one 3-gallon extinguisher; put in service 1884.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
50	Charles E. Connor...	Engineman.....	56	1335 Cambridge street.
18	William Reilly.....	Asst. Engineman	36	
52	Timothy F. McCarthy	Private.....	34	8 Clary street.
53	George L. Church....	"	28	14 Summer street.
54	John J. O'Callahan...	"	38	36 Tremont street.
44	Redmond M. Burke..	"	38	22 Hadley street.
	Call Force.			
55	Francis P. Scanlan..	Captain.....	61	1343 Cambridge street.
59	George W. Stevens....	Lieutenant.....	41	1307 Cambridge street.
57	George W. McIntire..	Private.....	53	9 Springfield street.
58	James H. McGrath...	"	51	
60	John T. Downey.....	"	28	994 Cambridge street.
61	William G. Johnson..	"	46	14 Springfield street.

ENGINE CO. NO. 6.

176 *River Street.*

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1873. New boiler 1907. Wheels rubber tired. One-horse hose wagon, equipped with 800 feet of 2 1-2-inch hose and two 3-gallon extinguishers; has been in service since 1892. Modern improvements added, and new wheels with rubber tires, 1907.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
62	J. Lewis Howe..	Engineman.....	54	184 River street.
63	Thomas H. McCourt..	Asst. Engineman	37	62 Columbia street.
78	Charles A. Olsen.....	Private.....	38	
65	Warren A. Dale.....	"	35	232 Putnam avenue.
66	Herman E. Gutheim...	"	30	460 Huron avenue.
12	William L. McCusker.	"	32	109 Antrim street.
	Call Force.			
67	John H. Brown.....	Captain.....	55	206 River street.
68	Charles H. Waite.....	Lieutenant.....	61	59 Brookline street.
69	John E. Savage.....	Private.....	52	54 Jay street.
70	Thomas F. Mullen....	"	34	184 River street.
71	James P. Welch.....	"	44	70 Columbia street.
73	William J. Doyle.....	"	34	23 Oak street.

ENGINE CO. NO. 7.

350 *Main Street.*

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1895. New boiler 1902. One-horse hose wagon, equipped with 800 feet of 2 1-2-inch hose and two 3-gallon extinguishers; has been in service since 1895.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
51	Peter F. McSorley.....	Engineman.....	48	94 Otis street.
75	John McCarthy.....	Asst. Engineman	53	282 Massachusetts avenue.
76	Henry J. O'Brien.....	Private.....	31	28 York street.
77	Dennis R. Sullivan...	"	36	35 Harvard street.
64	Robert J. Buchanan.	"	36	20 Grigg street.
90	David T. Burns.....	"	29	61 Tremont street.
	Call Force.			
79	George A. Garrity.....	Captain.....	46	46 Antrim street.
80	Joseph A. Wood.....	Lieutenant.....	45	102 Moore street.
81	James E. Bligh.....	Private.....	35	142 Willow street.
82	Edward Clark.....	"	41	80 Hampshire street.
83	Joseph S. Hayes.....	"	29	81 Webster avenue.
85	James E. Cunha.....	"	30	12 Union street.

RESERVE ENGINE.

Second size Amoskeag engine; capacity, 650 gallons a minute; has been in service since 1869. New boiler, 1897.

LADDER CO. NO. 1.

Eliot Square.

Ordinary ladder truck, drawn by three horses, equipped with 486 feet of ladders, the longest ladder 65 feet extension; also equipped with two 3-gallon and one 5-gallon extinguishers, and jumping net, life lines, etc. Put in service 1892. Rebuilt with improvements, wheels rubber tired, 1907.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
86	Cutler L. Vose.....	Captain.....	39	377 Huron avenue.
87	Albert S. Benson.....	Lieutenant.....	64	52 Boylston street.
88	William J. Anderson.	Private.....	35	97 Putnam avenue.
89	Benjamin McArthur..	"	33	4 DeWolfe street.
124	Garfield F. Eagleston	"	29	4 Foster street.
	Call Force.			
91	Timothy J. Murphy...	Private.....	30	25 Lambert street.
92	Joseph E. Burke.....	"	45	7 Mill street.
93	John W. Jefferson....	"	43	98 Winthrop street.
107	Michael Mullen.....	"	32	163 Portland street.
95	Thomas J. McGowan.	"	42	17 South street.
96	James F. Rooney.....	"	37	Ladder House No. 1.
97	John F. McPherson..	"	34	67 Winthrop street.

LADDER CO. NO. 2.

276 Portland Street.

Combination ladder and chemical, drawn by three horses, equipped with 445 feet of ladders, longest ladder 65 feet extension; two 30-gallon chemical tanks, 200 feet of 3-4-inch chemical hose, two 3-gallon extinguishers, one deluge set complete, jumping net, life lines, etc. Put in service 1902. Wheels rubber tired 1906.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
98	John T. McNamee....	Captain.....	52	96 Winthrop street.
99	James F. McCabe....	Lieutenant.....	45	440 Massachusetts avenue.
100	James J. Clifford.....	Private.....	35	71 Porter street.
101	Thomas Mimnaugh...	"	53	35 Warren street.
102	Charles J. McElroy..	"	28	74 Otis street.
116	Frank A. Casey.....	"	31	100 Gore street.
	Call Force.			
104	Louis J. Stanger.....	Private.....	60	275 Vine street.
105	Jeremiah F. Hayes...	"	41	17½ Marney street.
106	Thomas J. Lane.....	"	43	134 Otis street.
108	Thomas J. Parks.....	"	31	148 Berkshire street.
109	Edward E. Gaughan.	"	30	78 Berkshire street.
35	Horace P. Walker....	"	30	79 Thorndike street.

LADDER CO. NO. 3.

394 Massachusetts Avenue.

Hayes 75-foot aerial, drawn by three horses, carries 172 feet of single ladders, jumping net, life lines, and two 3-gallon extinguishers; put in service 1894.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
110	William F. Newman..	Captain.....	61	66 Winter street.
111	William H. Cairns...	Lieutenant.....	43	18 Vernon street.
112	Exurie J. Ouimette....	Private.....	44	394 Massachusetts avenue.
113	William C. Richardsor	"	39	
117	Maurice A. Skold.....	"	25	261 Washington street.
	Call Force.			
114	Charles A. Sharon....	Private.....	59	37 Pine street.
115	Lincoln E. Wheeler...	"	65	16 Columbia street.
103	Albert Smith.....	"	53	233 Broadway.

LADDER CO. NO. 4.

Garden Street.

Ordinary ladder truck drawn by two horses, equipped with 340 feet of ladders, longest ladder 60 feet extension, two 3-gallon extinguishers, jumping net, life lines, etc.; put in service 1905. Wheels rubber tired.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
118	Angus H. McDonald..	Captain.....	37	440 Huron avenue.
119	Walter E. Chapman..	Private.....	39	125 Mt. Auburn street.
121	Edward Grant.....	"	29	11 Gerry street.
9	Edward F. Kelly.....	"	24	427 Rindge avenue.
	Call Force.			
122	Thomas J. King.....	Private.....	30	264 Walden street.
125	Edward P. Donahue..	"	50	3 Willard court.
46	Joseph T. Vocell.....	"	42	12 Bolton street.

COMBINATION WAGON.

Garden Street.

Combination hose and chemical wagon, drawn by two horses, equipped with two 25-gallon tanks, two 3-gallon extinguishers, 800 feet of 2 1-2-inch hose; put in service 1905. Wheels rubber tired. Used under same command with Ladder Co. No. 4.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
133	Edward F. Conroy...	Lieutenant.....	35	10 Mt. Auburn street.
134	Charles R. Hooker...	Private.....	63	1411 Cambridge street.
123	Francis V. Doyle.....	"	30	104 Fayerweather street.
135	Bernard J. Coakley..	"	32	43 Hubbard avenue.

CHEMICAL ENGINE CO. NO. 1.

5 *Western Avenue.*

Perkins chemical engine, drawn by two horses, equipped with two 90-gallon tanks and two 3-gallon extinguishers, 200 feet of 2-inch linen hose, 450 feet of 3-4-inch rubber hose; has been in service since 1880. Wheels rubber tired.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
126	Lewis C. Clark.....	Lieutenant.....	62	264 Green street.
127	Mortimer F. Hartney	Private.....	35	3 Jay street.
128	John Dardis.....	"	37	4 St. Paul street.
11	Daniel J. O'Connell..	"	24	497 Windsor street.

CHEMICAL ENGINE CO. NO. 2.

167 *Lexington Avenue.*

Champion chemical engine, drawn by two horses, equipped with two 60-gallon tanks and two 3-gallon extinguishers, 300 feet of 3-4-inch rubber hose; has been in service since 1894.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
129	Wiliam H. Barrow...	Lieutenant.....	38	106 Fayerweather street.
130	Timothy Curran.....	Private.....	38	102 Fayerweather street.
131	Richard J. Doyle.....	"	31	104 Fayerweather street.
132	Matthew Gleason.....	"	36	104 Concord avenue.

FIRES AND ALARMS.

From December 1, 1906, to December 1, 1907.

DECEMBER, 1906.

Saturday, Dec. 1, 5.20 P. M. Still.

Corner of Boylston Street and Charles River Road. Owned by G. B. Macomber. Canvas cover over pile of bricks took fire from lantern. No loss.

Saturday, Dec. 1, 5.46 P. M. Box 41.

No. 358 Putnam Avenue. Owned by Patrick W. Dunn. No loss. Occupied by Michael Dowd as dwelling. No loss. Cause, careless dropping match in rubbish in cellar.

Monday, Dec. 3, 4.35 P. M. Box 114.

Gore Street. Owned by John P. Squire Estate. No loss. Occupied by John P. Squire as pork packing. No loss. Cause, soot in chimney took fire.

Tuesday, Dec. 4, 7.50 A. M. Still.

No. 40 Warren Street. Owned by Minnie Boyle. Loss, $5.00. Insurance, $2,000. Occupied by Mary Devaney as dwelling. No loss. Cause, thawing water pipe.

Tuesday, Dec. 4, 1.45 P. M. Still.

No. 58 Harvard Street. Owned and occupied by Elizabeth Madden as dwelling. No loss. Cause, defect in chimney.

Tuesday, Dec. 4, 7.27 P. M. Box 15.

No. 105 Fourth Street. Owned by Mary McGowan. Loss, $15. Insurance, $1,200. Occupied by Bernard Hill as dwelling. No loss. Cause, thawing water pipe.

Saturday, Dec. 8, 9.28 A. M. Box 443.

No. 347 Western Avenue. Owned by John McDonald. No loss. Occupied by W. Hines as grocery store. No loss. Cause, thawing water pipe.

Saturday, Dec. 8, 1.20 P. M. Still.

No. 129 Willow Street. Owned by Francis Burns. Loss, $50. Insurance, $2,000. Occupied by Laurence McLoughlin as dwelling. No loss. Cause, thawing water pipe.

Saturday, Dec. 8, 9.00 P. M. Still.

No. 158 Elm Street. Owned by James Doran. Loss, $275. Insurance, $5,000. Occupied by several families as dwelling. Loss, trifling. Cause, leak in gas pipe took fire from furnace in cellar.

Sunday, Dec. 9, 11.40 A. M. Still.

No. 124 Western Avenue. Occupied by Wm. Taylor as dwelling. Loss, trifling. Cause, children playing with matches in attic.

Sunday, Dec. 9, 11.45 A. M. Still.

No .90 Brattle Street. Owned by John Fiske as dwelling. No loss. Cause, chimney fire.

Sunday, Dec. 9, 1.25 P. M. Still.

No. 193 Auburn Street. Owned by Charles P. Keith. Loss, $50. Insurance, $2,000. Occupied by Sarah Hopkins as dwelling. Loss, $55. Not insured. Cause, lamp exploded.

Monday, Dec. 10, 8.45 A. M. Still.

No. 9 Dunster Street. Owned by N. Munroe. No loss. Cause, chimney fire.

Monday, Dec. 10, 11.50 A. M. Box 36.

No. 618-622 Massachusetts Avenue. Owned by T. H. Raymond. Loss, $6,525.50. Insurance, $29,000. Occupied by several parties as stores and offices. Loss, $130.22. Cause, unknown. Originated in ceiling of first floor.

Tuesday, Dec. 11, 8.08 A. M. Still.

No. 1023 Massachusetts Avenue. Owned by Wm. Orr. Loss, $127. Insurance, $9,000. Occupied by M. K. McCastor as dwelling. Loss, $15. Insurance, $4,000. Cause, defect in fireplace.

Wednesday, Dec. 12, 8.48 A. M. Box 14.

No. 125 Thorndike Street. Owned by Margaret M. Lenfest. Loss, $5.75. Insurance, $1,200. Occupied by Patrick Monahan as dwelling. Loss, $50. Not insured. Cause, boy set fire to furniture.

Wednesday, Dec. 12, 4.00 P. M. Still.

No. 132 Austin Street. Owned by Luther Slater Estate. No loss. Occupied by K. M. Fletcher as dwelling. No loss. Cause, careless dropping match in rubbish in cellar.

Wednesday, Dec. 12. 4.38 P. M. Still.

No. 407 Broadway. Owned by J. P. Lawrence as dwelling. No loss. Cause, chimney fire.

Wednesday, Dec. 12, 7.20 P. M. Still.

No. 44 Church Street. Owned by Whitcomb Field as dwelling. No loss. Cause, chimney fire.

Saturday, Dec. 15, 8.30 P. M. Box 114.

No. 176 Gore Street. Owned by John P. Squire estate. No loss. Cause, chimney fire.

Sunday, Dec. 16, 6.19 P. M. False alarm.

Sunday, Dec. 16, 9.29 P. M. False alarm.

Tuesday, Dec. 18, 8.37 A. M. Box 43.

No. 101 Banks Street. Owned by Peter Burns Estate. No loss. Cause, chimney fire.

Wednesday, Dec. 19, 2.52 A. M. Box 7.

B. & M. R. R. yard. Owned by B. & M. R. R. No loss. Cause, gas tank on car exploded.

Thursday, Dec. 20, 4.15 P. M. Box 413.

No. 125 Binney Street. Owned by Alden Spear's Sons' Company. No loss. Occupied by Mary A. Graham as laundry. No loss. Cause, lint and dust around dryer took fire.

Thursday, Dec. 20, 4.35 P. M. Still.

No. 2072 Massachusetts Avenue. Owned by Mt. Sinai Building Association. No loss. Occupied by O. Elliot Smith as furnishing goods store. Loss, $20. Insurance, $4,000. Cause, lighting gas in window ignited cotton.

Friday, Dec. 21, 10.48 A. M. Box 34.

No. 1 Livermore Place. Owned and occupied by Joseph B. Burwell as dwelling. No loss. Cause, water boiled from meat on stove.

Friday, Dec. 21, 6.37 P. M. Box 94. False alarm.

Saturday, Dec. 22, 4.54 A. M. Box 418.

No. 145 Broadway. Owned by S. Tower. No loss. Occupied by S. Tower as boiler room for factory. No loss. Cause, wood and shavings ignited from fire under boiler.

Sunday, Dec. 23, 4.07 P. M. Box 341.

No. 259 Broadway. Owned by Dennis McCarthy. Loss, $65. Insurance, $6,000. Occupied by E. Robinson. Loss, trifling. Cause, careless dropping match in wood box in kitchen.

Sunday, Dec. 23, 6.15 P. M. Still.

No. 1 Thorndike Street. J. H. Gerlach Mill. Cause, accidental automatic alarm.

Monday, Dec. 24, 11.24 A. M. Box 29.

No. 10 Bristol Street. Owned by Alfonse Volaski. Loss, $200. Insurance, $3,500. Occupied by Patrick Donahue as dwelling. Loss, $135. Insurance, $600. Cause, rats and matches. Originated in ceiling of first floor.

Tuesday, Dec. 25, 10.29 A. M. Still.

No. 9 Riedesel Avenue. Owned by Brewster Estate. No loss. Occupied by Mrs. Jas. B. Greenough as dwelling. No loss. Cause, chimney fire.

Tuesday, Dec. 25, 11.28 A. M. Box 68.

No. 1900 Massachusetts Avenue. Owned by J. H. Nickerson. Loss, $98. Insurance, $9,600. Occupied by Frank W. Bartlett as confectionery store. Loss, $125. Insurance, $1,500. Cause, gas stove set fire to wood work.

Wednesday, Dec. 26, 1.59 A. M. Box 271. False alarm.

Wednesday, Dec. 26, 10.16 A. M. Box 591.

No. 44 Church Street. Owned and occupied by Kalumet Club. No loss Cause, overheated smoke-pipe from furnace in cellar.

Wednesday, Dec. 26, 4.45 P. M. Box 52.

No. 1104 Massachusetts Avenue. Owned by W. H. Wentworth. Loss, trifling. Occupied by J. F. Brown as jewelry store. Loss, $60. Insurance, $500. Cause, match dropped into can of gasoline.

Wednesday, Dec. 26, 8.02 P. M. Box 69.

Hollis Street. Owned by Daniel Hayes Estate. Loss, $900. Insurance, $1,000. Occupied by Dennis Hayes as stable. Loss, $250. Not insured. Cause, overturned lantern.

Wednesday, Dec. 26, 10.33 P. M. Box 73.

No. 278 Rindge Avenue. Owned by Martin Murphy. Loss, $25. Insurance, $200. Unoccupied stable. Cause, supposed incendiary.

Wednesday, Dec. 26, 11.06 P. M. Box 35.

No. 10 Worcester Street. Owned by C. A. Wilder. Loss, $15. Insurance, $2,000. Occupied by A. J. Innis as dwelling. No loss. Cause, woodwork too near to chimney.

Wednesday, Dec. 26, 11.08 P. M. Box 341. False alarm.

Thursday, Dec. 27, 9.48 A. M. Box 153.

No. 25 Cowperthwait Street. Owned by Lizzie Lalley. No loss. Occupied by John Lynch as dwelling. No loss. Cause, rags in stove oven.

Saturday, Dec. 29, 6.59 P. M. Box 134.

No. 66 Tremont Street. Owned by R. K. Kroepsch. Loss, $5. Insurance, $1,500. Occupied by R. K. Kroepsch as dwelling. Loss, $43.50. Insurance, $500. Cause, oil lamp overturned on table.

Sunday, Dec. 30, 7.04 A. M. Box 415.

Sunday, Dec. 30, 7.06 A. M. Box 411.

Sunday, Dec. 30, 7.10 A. M. Box 413. General alarm.

No. 125 Binney Street. Owned by Alden Spear's Sons' Company. Loss, $5,450. Insurance, $5,450. Occupied by Alden Spear's Sons' Company as laundry. Loss, $12,000. Insurance, $12,000. Cause, unknown. Originated on second floor .

No. 127 Binney Street. Owned by Alden Spear's Sons' Company. Loss, $1,743. Insurance, $6,000. Occupied by John Keefe, et al., as dwelling. Loss, $200. Not insured. Cause, exposure from laundry fire.

Monday, Dec. 31, 11.04 A. M. Box 131.

No. 742 Cambridge Street. Owned by Louis Sandler. Loss, $425. Insurance, $4,000. Occupied by Louis Myers as dwelling. Loss, $656. Insurance, $1,000. Cause, careless dropping match on bed when lighting gas.

JANUARY, 1907.

Thursday, Jan. 3, 4.30 P. M. Still.

No. 99 Garden Street. Owned by John Cameron. Loss, $20. Insurance, $1,000. Occupied by John Cameron as dwelling. Loss, $40. Not insured. Cause, lamp set fire to clothing.

Friday, Jan. 4, 7.49 P. M. Box 428.

No. 29 Hampshire Street. Owned by Boston Woven Hose and Rubber Company. Loss, $580. Insurance, $580. Occupied by Boston Woven Hose and Rubber Company as cotton belt department. Loss, $1,295.18. Insurance, $1,295.18. Cause, spontaneous in oily cotton.

Friday, Jan. 4, 7.51 P. M. Box 28.

Alarm unnecessary; for same fire as Box 428.

Friday, Jan. 4, 9.30 P. M. Still.

No. 107 Antrim Street. Owned by H. J. Sharkey. No loss. Occupied by W. E. Bowie as dwelling. No loss. Cause, chimney fire.

Saturday, Jan. 5, 4.31 P. M. Box 419.

No. 195 Broadway. Owned and occupied by Michael Honan as dwelling. No loss. Cause, towels on line behind stove.

Saturday, Jan. 5, 7.50 P. M. Box 341.

No. 277 Broadway. Owned by J. A. Norris. Loss, trifling. Occupied by Levi Fairbanks as stable. Loss, trifling. Cause, careless smoking in hay loft.

Sunday, Jan. 6, 5.15 P. M. Still.

No. 33 Boylston Street. Owned by John Reed Estate. No loss. Occupied by Wm. H. McCraffery as harness shop. No loss. Cause, careless dropping match in rubbish.

Sunday, Jan. 6, 7.50 P. M. Still.

No. 15 Ellery Street. Owned by Charles H. Thurston. No loss. Occupied by M. P. Blair as dwelling. No loss. Cause, oil lamp took fire.

Monday, Jan. 7, 10.25 P. M. Still.

No. 11 Prospect Street. Owned by J. H. Robbins. Cause, smoke mistaken for fire.

Wednesday, Jan. 9, 10.53 A. M. Still.

No. 90 Brattle Street. Owned and occupied by A. M. Fiske. No loss. Cause, chimney fire.

Thursday, Jan. 10, 11.35 A. M. Box 131.

No. 740 Cambridge Street. Owned by Louis Sandler. Loss, trifling. Occupied by H. Goldman as dry goods store. Loss, $300. Insurance, $1,000. Cause, overheated stove ignited goods on table.

Thursday, Jan. 10, 4.08 P. M. Box 139.

No. 196 Erie Street. Owned and occupied by J. B. Byrnes as dwelling. Loss, $36. Insurance, $7,000. Cause, ash barrel behind house set afire by boys.

Thursday, Jan. 10, 4.10 P. M. Box 24.

Alarm for same fire as from Box 139.

Thursday, Jan. 10, 11.03 P. M. Box 36.

No. 256 Massachusetts Avenue. Owned by A. P. Morse. Loss, $245. Insurance, $8,000. Occupied by Louis Lemon as variety store. Loss, $244.61. Insurance, $2,800. Cause, supposed rats and matches in rubbish in cellar.

Friday, Jan. 11, 7.05 P. M. Box 137.

No. 298 Western Avenue. Owned by Thomas H. Armstrong. Loss, unable to get information. Occupied by Nathan Baron as dwelling. Loss, $18.50. Insurance, $600. Cause, lamp exploded in bath-room.

Friday, Jan. 11, 7.25 P. M. Still.

No. 548 Massachusetts Avenue. Owned by F. Woolworth. No loss. Cause, packing crates in passageway took fire.

Saturday, Jan. 12, 9.30 A. M. Box 73.

No. 55 Clifton Street. Owned by Henry Wilson. Loss, $15. Insurance, $1,500. Unoccupied dwelling. Cause, fire in cellar set by boys.

Saturday, Jan. 12, 9.50 P. M. Still.

No. 69 Sparks Street. Owned and occupied by J. B. Russell. No loss. Cause, defect in construction of hearth over ash pit.

Sunday, Jan. 13, 7.40 A. M. Still.

No. 69 Spark Street. Owned and occupied by J. B. Russell. No loss. Cause, defect in construction of hearth over ash pit.

Monday, Jan. 14, 5.08 P. M. Box 131.

No. 24 Marion Street. Owned by Thomas Horrigan. Loss, $170. Insurance, $3,000. Occupied by Anthony Murray as dwelling. Loss, $200. Not insured. Cause, dropping lamp in bed-room.

Monday, Jan. 14, 5.47 P. M. Box 425. False alarm.

Wednesday, Jan. 16, 11.40 A. M. Box 32.

Columbia Street. Owned by J. B. Byrnes. Loss, $82. Insurance, $100. Occupied by J. B. Byrnes as tool locker. Loss, $90. Insurance, $100. Cause, careless smoking.

Wednesday, Jan. 16, 8.38 P. M. Still.

No. 68 Lakeview Avenue. Owned and occupied by Claud E. Davis as dwelling. Loss, trifling. Cause, over-heated furnace pipe ignited floor timbers in cellar.

Wednesday, Jan. 16, 9.54 P. M. Box 84.

No. 68 Lakeview Avenue. Owned by Claud E. Davis. Loss, $2,300. Insurance, $6,000. Occupied by Claud E. Davis as dwelling. Loss, $500. Insurance, $1,500. Cause, over-heated furnace pipe in cellar.

Wednesday, Jan. 16, 11.13 P. M. Box 14.

No. 4 Sixth Street. Owned by John P. McConnelly. Loss, trifling. Occupied by Nellie Haley as dwelling. Loss trifling. Cause, lamp ignited curtain.

Thursday, Jan. 17, 4.17 P. M. Box 26.

No. 12 Moore Street. Owned by Eugene D. Brooks as dwelling. Cause, steam mistaken for fire.

Thursday, Jan. 17, 10.07 P. M. Box 148.

No. 1560 Cambridge Street. Owned by Annie Jenkins. Loss, $2,713.50. Insurance, $5,000. Occupied by Annie Jenkins as dwelling. Loss, $1,000. Not insured. Cause, over-heated furnace pipe in cellar.

Thursday, Jan. 17, 10.09 P. M. Box 49.

Alarm for same fire from Box 148.

Friday, Jan. 18, 5.08 P. M. Box 29.

No. 34 Berkshire Street. T. H. Raymond, agent. Reflection of lamp light through window mistaken for fire.

Saturday, Jan. 19, 7.50 P. M. Still.

No. 143 Rindge Avenue. Owned and occupied by John P. Nelligan as stable. Loss, trifling. Cause, defect in electric wire.

Saturday, Jan. 19, 11.18 P. M. Box 271.

No. 2419 Massachusetts Avenue. Owned by Charles A. Mason. Loss, $325. Insurance, $500. Occupied by Anton Lindquist as furniture store. Loss, $800. Insurance, $1,000. Cause, sparks from stove set fire to mattress.

Monday, Jan. 21, 7.40 P. M. Box 39.

Magazine Street. Owned by Andrew R. Lewis. Alarm unnecessary. Cause, steam from drying plaster in new house.

Tuesday, Jan. 22, 3.00 P. M. Still.

No. 16 Traill Street. Owned by Austin White as dwelling. No loss. Cause, chimney fire.

Tuesday, Jan. 22, 10.03 P. M. Box 32.

No. 1027 Cambridge Street. Owned by John P. Squire Estate. Loss, trifling. Occupied by J. T. Connor Corp. as grocery store. Loss, $65. Insurance, $2,000. Cause, mice and matches under counter.

Thursday, Jan. 24, 10.32 A. M. Box 34.

No. 30 Union Street. Owned by Richard Conway. Loss, trifling. Occupied by C. H. Hendrickson as dwelling. No loss. Cause, thawing water pipe.

Thursday, Jan. 24, 1.15 P. M. Still.

No. 1000 Massachusetts Avenue. Owned by H. O. Houghton Estate. No loss. Occupied by Cambridge School of Mercy. No loss. Cause, wood on top of heater caused smoke.

Thursday, Jan. 24, 2.38 P. M. Box 32.

No. 1000 Cambridge Street. Owned by Mortimer Downey. Loss, $675. Insurance, $1,500. Occupied by Patrick Reidy as dwelling. Loss, $50. Not insured. Cause, thawing water pipe under sink.

Thursday, Jan. 24, 4.00 P. M. Still.

No. 856 Main Street. Owned by Charles Waugh & Co. as carriage factory. Loss, trifling. Cause, burning paint from wagon in paint shop.

Thursday, Jan. 24, 5.00 P. M. Still.

No. 458 Green Street. Owned by H. O. Marcy. No loss. Occupied by R. S. Peakles as dwelling. No loss. Cause, thawing water pipe.

Thursday, Jan. 24, 11.15 P. M. Box 74.

Near Bolton Street. Owned by B. & M. R. R. as car. Loss, $200. Insurance, $1,000. Cause, oily rags took fire.

Friday, Jan. 25, 12.32 P. M. Box 134.

No. 1154 Cambridge Street. Owned by John P. Squire Estate. Loss, trifling. Occupied by Lee Shoon as laundry. Loss, trifling. Cause, thawing gas meter.

Saturday, Jan. 26, 10.33 A. M. Box 15.

No. 255 Bent Street. Owned by Patrick Hickey. Loss, $25. Insurance, $1,500. Occupied by Patrick Hickey as dwelling. Loss, $75. Insurance, $200. Cause, unknown. Originated in clothes closet.

Saturday, Jan. 26, 10.35 A. M. Box 215..

Alarm for same fire as from Box 15.

Sunday, Jan. 27, 10.45 A. M. Still.

No. 8 Winter Street. Owned by John Linehan. Occupied by Bart Conway. Loss, trifling. Cause, thawing water pipe under sink.

Monday, Jan. 28, 11.12 A. M. Box 15.

No. 290 Vine Street. Owned and occupied by Mary Williams. Loss, $25. Insurance, $2,000. Cause, thawing water pipes.

Monday, Jan. 28, 3.40 P. M. Still.

No. 24 Pilgrim Street. Owned by R. M. Burns. Loss, $7. Insurance, $3,000. Occupied by W. B. Donovan as dwelling. Loss, trifling. Cause, careless smoking in bed-room.

Tuesday, Jan. 29, 5.58 P. M. Box 9.

No. 56 Cambridge Street. Owned by Roxbury Savings Bank. Loss, $65. Insurance, $6,000. Occupied by Patrick Shaw as dwelling. Loss, $30. Insurance, $1,100. Cause, oil stove took fire.

Wednesday, Jan. 30, 9.51 A. M. Box 81.

No. 269 Mt. Auburn Street. Owned by John F. O'Brien. No loss. Occupied by Catherine Hagan as dwelling. No loss. Cause, thawing water pipe.

Wednesday, Jan. 30, 10.44 P. M. Box 53.

No. 82 Mt. Auburn Street. Owned by Boston Elevated Railway Company. Loss, $6,400. Insurance, $10,000. Occupied by Boston Elevated Railway Company as storehouse. Loss, $1,600.97. Insurance, $3,700.60. Cause, oily clothing in closet. Second alarm 11.23 P. M. Third alarm 11.52 P. M.

FEBRUARY.

Saturday, Feb. 2, 4.20 P. M. Still.

No. 34 Harvard Street. Owned by Margaret Keough as dwelling. No loss. Cause, thawing water pipe in cellar.

Sunday, Feb. 3, 4.15 P. M. Box 341. False alarm.

Sunday, Feb. 3, 8.38 P. M. Box 31.

No. 57 Porter Street. Owned by John Purcell. Loss, $300.50. Insurance, $1,100. Occupied by Jeremiah Lucy as dwelling. Loss, $300.82. Insurance, $500. Cause, lamp exploded on second floor.

Tuesday, Feb. 5, 8.51 A. M. Box 41.

No. 14 Rockwell Street. Owned by Joseph Natale. Loss, $110. Insurance, $2,200. Occupied by Henrietta Butler as dwelling. Loss, $35. Not insured. Cause, oil heater overturned in bed-room.

Tuesday, Feb. 5, 11.32 P. M. Box 78.

No. 75 Concord Avenue. Owned by Dennis J. O'Brien. Loss, $581. Insurance, $10,000. Occupied by Max Lamkin as shoe store. Loss, $139.50. Insurance, $350. Cause, fire in clothing in closet.

Thursday, Feb. 7, 3.30 P. M. Still.

No. 572 Massachusetts Avenue. Owned by Asa P. Morse. No loss. Cause, chimney fire.

Thursday, Feb. 7, 7.04 P. M. Box 35.

No. 217 Harvard Street. Owned by John Doherty. Loss, $75. Insurance, $10,500. Occupied by Emil Sandner as dwelling. Loss, $175. Insurance, $1,000. Cause, accidental overturning lamp.

Saturday, Feb. 9, 10.15 A. M. Still.

No. 559 Massachusetts Avenue. Owned by Asa Lamson. No loss. Cause, rubbish in yard.

Monday, Feb. 11, 7.11 P. M. Box 427.

No. 208 Broadway. Owned and occupied by Doten-Dunton Company as boiler-room. No loss. Cause, shavings took fire from sparks under boiler.

Tuesday, Feb. 12, 1.30 A. M. Still.

No. 223 Brattle Street. Owned by Mary Gearan. Loss, $152. Insurance, $3,800. Occupied by Mary Gearan as dwelling. Loss, $175. Insurance, $1,000. Cause, careless use of match in clothes closet.

Wednesday, Feb. 13, 9.15 A. M. Box 145.

No. 474 Franklin Street. Owned by Ellen G. Brennan. No loss. Occupied by Eugene Brennan as dwelling. No loss. Cause, thawing water pipes.

Wednesday, Feb. 13, 1.03 P. M. Box 134.

No. 140 Tremont Street. Owned by James Keenan. No loss. Occupied by M. A. Haley as dwelling. No loss. Cause, thawing water pipe.

Friday, Feb. 15, 5.14 P. M. Box 411

No. 265 Third Street. Owned and occupied by Blake & Knowles as pump factory. Loss, trifling. Cause, sparks from chimney ignited roof.

Saturday, Feb. 16, 9.01 P. M. Box 28.

No. 159 Broadway. Owned by Catherine McCarthy. No loss. Occupied by Joseph Leon as grocery store. Loss, trifling. Cause, can of gasoline ignited.

Monday, Feb. 18, 12.08 A. M. Box 25.

No. 4 Douglass Street. Owned by John Doherty. Loss, $50. Insurance, $5,000. Occupied by T. J. Daisy as dwelling. Loss, $149. Insurance, $400. Cause, careless dropping match in paper in bath-room.

Tuesday, Feb. 19, 9.08 P. M. Box 13.

No. 337 Cambridge Street. Owned by Louise Magee. Loss, $900. Insurance, $10,000. Occupied by Benjamin Cohen as dry goods store. Loss, $3,500. Insurance, $4,500. Cause, spark from match ignited cotton batten.

Saturday, Feb. 23, 11.40 P. M. Still.

No. 64 Dunster Street. Owned by Robert Bacon as club-house. Cause, smoke from stove mistaken for fire.

Saturday, Feb. 23, 4.38 P. M. Box 427.

No. 205 Broadway. Owned and occupied by Barbour & Stockwell as iron foundry. No loss. Cause, careless dropping match in paint in pattern room.

Saturday, Feb. 23, 4.51 P. M. Still.

No. 7 Fayerweather Street. Owned and occupied by J. L. Coolidge as dwelling. No loss. Cause, chimney fire.

Monday, Feb. 25, 1.25 P. M. Still.

No. 19 Berkeley Street. Owned by Elizabeth H. Folsom. No loss. Occupied by Wm. S. Booth as dwelling. No loss. Cause, chimney fire.

Tuesday, Feb. 26, 8.15 A. M. Still

No. 3 Pioneer Street. Owned by J. A. Tilton. No loss. Occupied by J. A. Hayward as dwelling. No loss. Cause, thawing water pipe

Tuesday, Feb. 26, 6.55 P. M. Still.

No. 1324 Massachusetts Avenue. Owned and occupied by Porcellian Club. No loss. Cause, chimney fire.

Thursday, Feb. 28, 1.40 P. M. Box 113.

No. 46 Thorndike Street. Owned by Middlesex County. Loss, $150. Not insured. Occupied by Middlesex County as jail Loss, $50. Not insured. Cause, careless smoking ignited bedding material in basement.

MARCH.

Sunday, March 3, 8.09 P. M. Box 137.

No. 169 Western Avenue. Owned by J. R. Hersum. Occupied by Geo. R. Berry No fire. Cause, fire in open grate reflected on window.

Monday, March 4, 7.40 A. M. Box 139.

No. 232 Pearl Street. Owned by Russell L. Snow. Loss, $112. Insurance, $1,000. Occupied by Elizabeth McArthur as dwelling. Loss, $82. Insurance, $1,000. Cause, clothing in dark closet ignited from candle.

Monday, March 4, 5.59 P. M. Box 464.

No. 70 Garden Street. Owned by Harvard University. Loss, $112. Insurance, $3.200. Occupied by Edward C. Pickering as dwelling. Loss, $125. Insurance, $5,000. Cause, gas light ignited draperies.

Tuesday, March 5, 5.25. A. M. Still.

No. 991 Cambridge Street. Owned by L. Rubien. Loss, trifling. Occupied by Cornelius Crowley as dwelling. No loss. Cause, rats and matches.

Wednesday, March 6, 1.34 P. M. Still.

No. 1582 Massachusetts Avenue. Owned and occupied by F. W. Putnam as dwelling. No loss. Cause, chimney fire.

Thursday, March 7, 10.35 P. M. Still.

No. 2064 Massachusetts Avenue. Owned by Daniel O'Connell. No loss. Occupied by A. H. Miller as dry goods store. No loss. Cause, unknown. Rubbish in cellar afire.

Friday, March 8, 10.13 A. M. Box 126.

No. 1 Washington Street. Owned by Charles Smith. Loss, $80. Insurance, $3,500. Cause, thawing water conductor on outside of building.

Saturday, March 9, 4.35 P. M. Still.

No. 3 Pelham Street. Owned by Mr. Banwise. No loss. Occupied by J. Murphy as dwelling. No loss. Cause, sparks on roof from foundry. No loss.

Sunday, March 10, 5.04 A. M. Box 9.

B. & M. R. R. yard. Owned and occupied by B. & M. R. R. No loss. Cause, defect in electric wires in floor over oil room.

Tuesday, March 12, 8.08 P. M. Box 28.

No. 174 Broadway. Owned and occupied by Lever Brothers as soap factory. No loss. Cause, spontaneous in oily rags.

Wednesday, March 13, 8.20 A. M. Still.

Chemical No. 2 sent to Watertown to assist at fire in rubber factory.

Wednesday, March 13, 6.09 P. M. Box 14.

No. 135 Gore Street. Owned by Young & Curley. No loss. Occupied by D. F. Comee as grocery store. Loss, trifling. Cause, careless dropping match in paper in window.

Thursday, March 14, 11.29 P. M. Box 36.

No. 5 Western Avenue. Owned by City of Cambridge. Loss, $1,456. Not insured. Occupied by City of Cambridge as drawing school room. Originated on third floor. Cause unknown.

Friday, March 15, 12.47 A. M. Box 74.

No. 12 Bolton Street. Owned by Joseph Vocell. Loss, $200. Insurance, $300. Occupied by Joseph Vocell as caterer. Loss, $250. Insurance, $300. Cause, sparks from stove.

Friday, March 15, 7.55 P. M. Box 31.

No. 86 Willow Street. Owned by Harry Feinberg. Loss, $600. Insurance, $3,500. Occupied by Harry Feinberg as dwelling. Loss, $500. Insurance, $1,000. Cause, lamp fell from shelf.

Saturday, March 16, 10.54 P. M. Box 137.

No. 19 Jay Street. Owned by Robert Carter. Loss, $50. Insurance, $3,000. Occupied by Robert Carter as dwelling. Loss, $27. Insurance, $1,000. Cause, gas light ignited curtain in bed-room.

Sunday, March 17, 9.13 P. M. Box 425. False alarm.

Monday, March 18, 3.05 A. M. Still.

No. 1 Cedar Square. Owned by John F. O'Brien. No fire. Cause, smoke from stove.

Monday, March 18, 10.54 A. M. Box 27.

No. 83 Clark Street. Owned by Rolla Stockton. Loss, $400. Not insured. Occupied by Paul West Company as furniture factory. Loss, $200. Not insured. Cause unknown. Fire originated on first floor.

Monday, March 18, 1.46 P. M. Box 17.

No. 6 Burleigh Street. Owned by Rogers Estate. Loss, trifling. Occupied by Frank Labinsky as dwelling. Loss, trifling. Cause, careless smoking in water closet.

Monday, March 18, 2.16 P. M. Box 27.

No. 83 Clark Street. Owned by Rolla Stockton. No loss. Occupied by Paul West Company as furniture factory. No loss. Cause, supposed rekindling of former fire.

Monday, March 18, 10.15 P. M. Still.

No. 5 Deacon Street. Owned by George A. Smith Estate. No loss. Occupied by R. F. Hayden as poultry food factory. No loss. Cause unknown.

Thursday, March 21, 9.20 A. M. Box 137.

No. 6 Gilmore Street. Owned by I. Nisson. No loss. Cause, smoke mistaken for fire.

Thursday, March 21, 6.34 P. M. Box 26.

No. 21 Harrison Street. Owned by Oscar Petterson. Loss, trifling. Occupied by Clara Fuhrman as dwelling. Loss, trifling. Cause, curtain took fire from candle.

Thursday, March 21, 9.57 P. M. Box 153. False alarm.

Saturday, March 23, 2.05 P. M. Still.

Prison Point Street. No loss. Cause, chaff on bridge took fire.

Tuesday, March 26, 10.18 P. M. Box 162.

Corner Willard and Mt. Auburn Streets. Cause, rubbish on vacant land.

Tuesday, March 26, 1.18 P. M. Box 35.

Worcester Street. Cause, kettle of tar in street.

Friday, March 29, 4.27 P. M. Still.

No. 4 Marion Street. Owned by Manuel E. Rogers. No loss. Occupied by George Cashman as dwelling. Loss, $15. Insurance, $1,000. Cause, children playing with fire.

Saturday, March 30, 1.20 A. M. Box 36.

No. 349 Green Street. Owned by Eliza J. Pike. Loss, $8. Insurance, $1,200. Occupied by Simon Harris as dwelling. Loss, $190. Insurance, $800. Cause, overturned lamp in chamber.

Saturday, March 30, 10.39 A. M. Box 591.

No. 5 Farwell Place. Owned by Martha A. Driver. Loss, $480. Insurance, $3,000. Occupied by Martha A. Driver as dwelling. Loss, $25. Not insured. Cause, over-heated stove-pipe.

Saturday, March 30, 1.00 P. M. Still.

Cause, tree afire on Mt. Auburn Street ignited by electric wires.

Saturday, March 30, 5.03 P. M. Box 41.

No. 5 Kenwood Street. Owned by M. Young. Loss, trifling. Occupied by Walter Hersey as dwelling. Loss, trifling. Cause, child playing with matches.

Sunday, March 31. 3.51 A. M. Box 71.

No. 54-56 Madison Avenue. Owned by David Roberts. Loss, $1,500. Insurance, $1,500. Occupied by David Roberts as dwelling. Loss, $274. Insurance, $700. Occupied by Michael O'Reagan as dwelling. Loss, $525. Insurance, $800. Cause unknown. Originated in shed attached to house.

APRIL.

Monday, April 1, 12.29 A. M. Box 36.

No. 729 Massachusetts Avenue. Owned by E. R. Cogswell. Loss, trifling. Occupied by L. B. Chandler as provision store. Loss, $25. Insurance, $200. Cause, cigar thrown on awning over door.

Monday, April 1, 6.56 A. M. Box 418.

No. 148 Broadway. Owned and occupied by Henry Thayer as storage for chemicals. No loss. Cause, spontaneous explosion of bottle of chemical.

Monday, April 1, 6.10 P. M. Box 271.

No. 59 Dudley Street. Owned by Humphrey Sullivan as dwelling. No loss. Cause, chimney fire.

Tuesday, April 2, 2.00 P. M. Box 341. False alarm.

Tuesday, April 2, 6.07 P. M. Box 68.

No. 7 Upland Road. Owned by Joseph Noera. Loss, $60. Insurance, $16,000. Occupied by several families as dwelling. No loss. Cause, gas light set fire to timber in cellar.

Wednesday, April 3, 1.30 A. M. Box 415. General alarm.

No. 113 Broadway. Owned by Greely Estate. Loss, $11,500. Insurance, $21,000. Occupied by Ira G. Hersey as planing mill. Loss, $12,000. Insurance, $14,000. Cause unknown. Originated in basement.

Wednesday, April 3, 3.10 A. M. Box 72. False alarm.

Wednesday, April 3, 4.43 A. M. Box 169. False alarm.

Thursday, April 4, 11.29 A. M. Box 215.

Ninth Street. Owned and occupied by Massachusetts Wharf Coal Company. Loss, trifling. Cause, over-heated stack through roof.

Thursday, April 4, 3.45 P. M. Still.

No. 9 Tuttle Street. Cause, fence afire from burning grass.

Sunday, April 7, 3.26 P. M. Box 17.

On B. & A. R. R., near Harvard Street. Owned by C. B. Moller. Carload of furniture Loss, $400. Insurance, $600. Cause, supposed to be set afire by boys.

Sunday, April 7, 3.40 P. M. Still.

Smoke in W. H. Wood lumber yard mistaken for fire.

Monday, April 8, 3.40 A. M. Automatic.

No. 20 Thorndike Street. H. M. Sawyer accidental automatic.

Monday, April 8, 3.35 P. M. Box 36.

No. 20 Western Avenue. Owned by Mary Southwick. Loss, $464.16. Insurance, $4,000. Occupied by several parties as halls. Loss, trifling.

Monday, April 8, 6.21 P. M. Box 54.

No. 40 Quincy Street. Owned by Harvard University. Loss, $25. Not insured. Occupied by C. C. Langdell as dwelling. Loss, $100. Insurance, $3,000. Cause, spark from match on sofa.

Tuesday, April 9, 7.02 A. M. Box 23.

No. 49 Lopez Street. Occupied by Edward Lister. No loss. Cause, chimney fire.

Tuesday, April 9, 3.15 P. M. Still.

No. 108 Cambridge Street. Owned and occupied by A. H. Davenport as drying kiln. Loss, $1,494. Insurance, $2,000. Cause, over-heated kiln of lumber.

Wednesday, April 10, 3.02 A. M. Box 72. False alarm.

Thursday, April 11, 11.18 P. M. Still.

No. 97 Mt. Auburn Street. Owned by John Reed Estate. No loss. Cause, chimney fire.

Friday, April 12, 9.44 P. M. Box 42.

No. 18 Somerset Street. Owned by John Stockton. No loss. Unoccupied barn of no value. Cause, incendiary.

Monday, April 15, 11.41 A. M. Box 52.

No. 1039 Massachusetts Avenue. Owned and occupied by Anthony W. Strauss as dwelling. No loss. Cause, naphtha ignited cleaning floor.

Monday, April 15, 4.05 P. M. Still.

Corner Linnaean and Walker Streets. Cause, fence afire from grass.

Wednesday, April 17, 11.50 A. M. Box 72.

No. 52 Montgomery Street. Owned and occupied by Mary McGillicuddy as dwelling. Loss, $78. Insurance, $2,000. Cause, sparks from chimney on roof.

Wednesday, April 17, 4.56 P. M. Box 167.

Corner Linnaean and Walker Streets. Rubbish in vacant land.

Thursday, April 18, 7.17 A. M. Box 69.

No. 6 Dover Street. Owned and occupied by John P. Downing as dwelling. Loss, $22. Insurance, $3,500. Cause, sparks from chimney on roof.

Thursday, April 18, 4.33 P. M. Box 438.

No. 20-26 Albany Street. Owned by Whittemore Bros. Co. Loss, $500. Insurance, $40,000. Occupied by Whittemore Bros. Co. as shoe-dressing factory. Loss, $3,401.36. Insurance, $30,000. Cause, over-heated kittle of shoe dressing.

Saturday, April 20, 1.21 P. M. Box 16.

No. 414 Main Street. Owned and occupied by Hugh Stewart as carriage factory. Loss, $280. Insurance, $7,000. Cause, careless smoking in horse-shed.

Saturday, April 20, 2.22 P. M. Box 41.

No. 18 Somerset Street. Cause, fence took fire from burning rubbish on dump on Putnam Avenue.

Saturday, April 20, 7.50 P. M. Still.

No. 17 Magazine Street. Owned by Michael Calagan as shed. No loss. Cause, supposed children playing with matches.

Saturday, April 20, 8.15 P. M. Box 42.

No. 20 Somerset Street. Owned by John Stockton. No loss. Cause, unoccupied dwelling of no value set afire by some person unknown.

Sunday, April 21, 12.01 P. M. Box 76.

No. 26 Arlington Street. Owned by Emily P. S. Moor. Loss, $48. Insurance, $5,000. Occupied by W. C. English as dwelling. Loss, $135. Insurance, $3,500. Cause, children with matches in play-room.

Monday, April 22, 3.48 P. M. Box 42.

No. 8 Somerset Street. Owned by Catherine Bettencourt. Loss, trifling. Occupied by D. W. Cary as dwelling. No loss. Cause, hot ashes on floor.

Monday, April 22, 5.15 P. M. Still.

Near 88 Appleton Street. Grass fire on vacant land.

Monday, April 22, 9.00 P. M. Still.

Holyoke Street. Owned by Bay State Fund Company. Loss, trifling. Cause, sparks from hoisting engine on roof of coal shed.

Tuesday, April 23, 12.49 A. M. Box 271.

No. 40 Jackson Street. Owned by Simon Landry as hen-house. Loss, trifling. Cause, set afire by some person unknown.

Tuesday, April 23, 1.13 P. M. Box 69.

No. 2223 Massachusetts Avenue. Grass fire on vacant land.

Wednesday, April 24, 3.05 P. M. Box 42.

No. 335 Putnam Avenue. W. A. Bullard, Agent. No loss. Unoccupied factory set afire by boys.

Wednesday, April 24, 5.00 P. M. Still.

No. 3 Pelham Street. Owned by J. Van Wie. Loss, trifling. Cause, sparks on roof from iron foundry.

Wednesday, April 24, 10.30 P. M. Box 73.

No. 277 Rindge Avenue. Owned by Daniel P. Danehy. Loss, $96. Insurance, $1,200. Occupied by Geo. C. Perkins as grocery store. Loss, $67. Insurance, $200. Cause, unknown.

Thursday, April 25, 8.22 P. M. Box 26.

No. 56 Cherry Street. Owned by Emma Xavia. Loss, $43.50. Insurance, $2,500. Occupied by Emma Xavia as dwelling. Loss, $45. Insurance, $500. Cause, lamp exploded in bed-room.

Saturday, April 27, 11.50 A. M. Box 87.

Vassar Lane. Owned by N. E. Brick Company as dwelling. No loss. Cause, sparks on roof from chimney.

Saturday, April 27, 2.35 P. M. Still.

No. 265 Cambridge Street. Owned by H. N. Hovey. Loss, trifling. Occupied by C. J. Miller as dwelling. No loss. Cause, rats and matches.

Sunday, April 28, 11.05 A. M. Box 17.

Near Main Street on railroad. Carload of hay set afire by boys. Loss, trifling.

Sunday, April 28, 2.24 P. M. Box 35.

Harvard Street. Owned by City of Cambridge. Loss, trifling. Unoccupied schoolhouse. Cause, set afire by boys.

Monday, April 29, 2.50 P. M. Box 24.

No. 225 Brookline Street. Owned and occupied by Thomas Sheridan as dwelling. Loss, $35. Insurance, $2,000. Cause, children set bed afire.

Monday, April 29, 7.42 P. M. Box 34.

Elm Street. Owned by H. S. Angus. Loss, trifling. Cause, building movers' material in yard set afire by boys.

Monday, April 29, 6.45 P. M. Still.

No. 278 Rindge Avenue. Cause, rubbish in yard.

MAY.

Wednesday, May 1, 8.40 P. M. Still.

No. 265 Cambridge Street. Owned by H. N. Hovey. Loss, $35. Insurance, $2,000. Occupied by C. J. Miller as dwelling. No loss. Cause, rats and matches in partition.

Thursday, May 2, 12.56 P. M. Box 432.

No. 795 Concord Avenue. Owned by City of Cambridge as unoccupied barn. Loss, $1,000. Not insured. Cause, supposed careless smoking by laborers.

Thursday, May 2, 8.30 P. M. Automatic.

No. 265 Sixth Street. Owned by J. S. Bell Company. Cause, accidental automatic alarm.

Friday, May 3, 8.30 A. M. Still.

No 65 Spring Street. Owned by Margaret Ahearn. Loss, $5. Insurance, $2,000. Occupied by Wm. McRea as dwelling. No loss. Cause, using oil to build fire in stove.

Monday, May 6, 4.20 P. M. Still.

No. 287 Main Street. Owned by Patrick Dempsey as dwelling. No loss. Cause, chimney fire.

Tuesday, May 7, 8.55 A. M. Box 13.

No. 75 Gore Street. Owned by Catherine Hurley. Loss, trifling. Occupied by Ephriam Ollman as grocery store. Loss, trifling. Cause, oil stove took fire.

Tuesday, May 7, 9.19 A. M. Box 43.

No. 17 Beaver Street. Owned by Catherine Pierce. No loss. Occupied by Oscar Anderson as dwelling. No loss. Cause, oil stove took fire.

Tuesday, May 7, 10.28 A. M. Box 34.

No. 121 Elm Street. Owned by Mr. Sullivan. Loss, trifling. Occupied by Lucy Banks as dwelling. Loss trifling. Cause children playing with matches in chamber.

Wednesday, May 8, 9.00 A. M. Still.

No. 120 Berkshire Street. Owned by Thomas Stevenson. Loss trifling. Occupied by Henry Hodgkins as dwelling. Loss, trifling. Cause, stove rags under sink. Spontaneous.

Wednesday, May 8, 8.45 P. M. Still.

No. 75 Read Street. Owned by Michael Melvin as unoccupied dwelling. No value. Cause, incendiary.

Friday, May 10, 4.45 P. M. Box 28.

No. 205 Broadway. Owned and occupied by Barbour & Stockwell as iron foundry. Loss, trifling. Cause, sparks from stack on roof.

Monday, May 13, 9.08 A. M. Box 7.

Craigie Bridge. Owned by Derby Desk Company as wagon load of desks. Loss, $400. Not insured. Cause, driver of team smoking on wagon.

Monday, May 13, 9.10 A. M. Box 6.

Alarm unnecessary; for same fire as from Box 7.

Monday, May 13, 11.15 A. M. Box 39.

No. 152 Magazine Street. Owned and occupied by Henry H. Winslow as dwelling. No loss. Cause, bowl of gasoline ignited from gas stove.

Wednesday, May 15, 9.00 P. M. Box 145.

No. 67 Jay Street. Owned by Mary Perry. No loss. Occupied by Charles Ryan as dwelling. No loss. Cause, curtain took fire from candle.

Sunday, May 19, 12.54 A. M. Box 17. False alarm.

Sunday, May 19, 8.45 A. M. Box 215.

No. 47 Eighth Street. Owned by Mary Moylan. Alarm unnecessary. Cause, smoke mistaken for fire.

Sunday, May 19, 9.04 P. M. Box 32.

No. 934 Cambridge Street. Owned by Amos Binney. Loss, $50. Insurance, $4,000. Occupied by B. M. Katz as dwelling. Loss, $175. Insurance, $500. Cause. candle ignited clothes in closet.

Monday, May 20, 9.31 P. M. Box 137.

No. 252 Western Avenue. Owned by John F. Shaw. Loss, $25. Insurance, $6,000. Occupied by Morris Kramer as dwelling. Loss, $55. Insurance, $500. Cause, lamp overturned in closet.

Tuesday, May 21, 10.09 A. M. Box 162.

No. 27 Sparks Street. Owned by William Balmer. Loss, $50. Insurance, $500. Occupied by Brattle Associates as club-room. No loss. Cause, rats and matches.

Saturday, May 25, 12.49 A. M. Box 137.

No. 31 Jay Street. Owned and occupied by L. C. Robinson as solder factory. Loss, trifling. Cause, fire from melting pot ignited wood-work.

Sunday, May 26, 8.17 A. M. Box 136.

No. 383 Washington Street. Owned by A. F. Wilson. Loss, $92. Insurance, $4,000. Occupied by A. F. Wilson as dwelling. Loss, $25. Insurance, $1,000. Cause, gas stove ignited wood-work.

Tuesday, May 28, 3.35 A. M. Automatic.

Accidental automatic from H. M. Sawyer factory.

Tuesday, May 28, 2.30 P. M. Still.

Massachusetts Avenue, near Brookline Street. Electric car afire.

Wednesday, May 29, 8.15 A. M. Box 178.

No. 290 Walden Street. Owned by Arthur La Roche. Loss, $30. Insurance, $1,500. Occupied by Arthur La Roche as blacksmith. Loss, $25. Insurance, $1,000. Cause, sparks from forge.

Wednesday, May 29, 12.25 P. M. Still.

No. 25 Ninth Street. Owned by John Gaughan as dwelling. No loss. Cause, chimney fire.

Wednesday, May 29, 11.01 P. M. Box 17.

No. 105 Washington Street. Owned by Timothy Mahoney. Loss, trifling. Occupied by Edward G. Duffy as dwelling. Loss, $55.31. Insurance, $700. Cause, careless smoking, dropped fire in paper.

Thursday, May 30, 3.50 P. M. Still.

No. 78 Magazine Street. Owned by G. C. Grew as dwelling. No loss. Cause, chimney fire.

Friday, May 31, 12.16 P. M. Box 682.

No. 40 Creighton Street. Owned by Victor M. Hall. Loss, $25. Insurance, $3,000. Cause, hot ashes in barrel against building.

JUNE.

Saturday, June 1, 6.19 P. M. Box 29.

No. 70 Plymouth Street. Owned by J. C. Carson. Loss, trifling. Occupied by J. P. La Framboise as dwelling. Loss, $9. Insurance, $700. Cause, sparks from stove in bag of coke.

Saturday, June 1, 8.30 P. M. Still.

Corner Cambridge and Portland Streets. Electric car afire.

Sunday, June 2, 5.30 A. M. Still.

Albany, corner Portland Street. Owned and occupied by Lamb & Ritchie as metal pipe factory. Loss, trifling. Cause, fire under melting pot ignited floor.

Sunday, June 2, 8.56 A. M. Box 17.

No. 555 Main Street. Owned by Rogers Estate. Loss, trifling. Occupied by Louis Sputman as dwelling. No loss. Cause, oil stove took fire.

Sunday, June 2, 4.58 P. M. Still.

No. 613 Massachusetts Avenue. Alarm unnecessary. Smoke mistaken for fire.

Thursday, June 13, 10.53 A. M. Still.

No. 43 Harding Street. Owned by Bridget G. Murphy. Loss, $15. Insurance, $1,500. Occupied by Frank Minesky as dwelling. No loss. Cause, defect in chimney.

Friday, June 7, 6.39 P. M. Box 31.

No. 43 Harding Street. Owned by Bridget G. Murphy. Loss, $15. Insurance, $1,500. Occupied by Frank Minesky as dwelling. No loss. Cause, defect in chimney.

Friday, June 7, 7.20 P. M. Still.

No. 98 Green Street. Owned by Robert J. Roach. No loss. Occupied by James McManus as dwelling. No loss. Cause, burning phonograph records in stove causing smoke.

Saturday, June 8, 2.19 P. M. Box 17.

No. 607 Main Street. Owned by Rogers Estate. No insurance loss. Occupied by Joseph Colb as dwelling. No loss. Cause, leaking gas-pipe ignited by lamp, causing explosion. No fire.

Saturday, June 8, 9.39 P. M. Still.

No. 33 Regent Street. Owned by Ella W. Cook. Loss, $50. Insurance, $2,000. Occupied by John Wheeler as dwelling. No loss. Cause, careless dropping lamp.

Wednesday, June 12, 7.48 P. M. Box 31.

No. 70 Willow Street. Alarm unnecessary. Bonfire on vacant land.

Thursday, June 13, 10.53 A. M. Still.

No. 293 Third Street. Owned by Woodward Emery. No loss. Cause, sparks on stable roof from burning rubbish.

Thursday, June 13, 1.30 P. M. Still.

No. 1290 Cambridge Street. Owned by Mendel Brown as dwelling. Loss, trifling. Cause, fire set by boys in water conductor outside of building.

Saturday, June 15, 3.44 P. M. Box 721.

No. 41 Harvey Street. Owned by Timothy O'Keefe. Loss, $25. Insurance, $900. Occupied by Timothy O'Keefe as dwelling. No loss. Cause, sparks on roof from locomotive.

Saturday, June 15, 4.08 P. M. Box 25.

No. 480 Main Street. Owned by Eben J. Denton. No loss. Occupied by Rolla Stockton as furniture store. No loss. Cause, fire set by boys outside of building.

Saturday, June 15, 6.33 P. M. Box 137.

No. 3 Riverside Place. Owned by Edward A. Bangs as dwelling. Loss trifling. Cause, fire set by boys under porch floor.

Sunday, June 16, 9.54 A. M. Still.

No. 37 Davenport Street. Owned by Lizzie Fox. No loss. Cause, smoke mistaken for fire.

Sunday, June 16, 11.20 P. M. Still.

No. 309 Mt. Auburn Street. Owned by Avon Home Corporation. Loss, trifling. Cause, play-house set afire by children.

Monday, June 17, 3.54 A. M. Box 73. False alarm.

Monday, June 17, 12.21 P. M. Box 271.

No. 75 Reed Street. Owned by Michael Melvin as unoccupied dwelling. Loss, trifling. Cause, set afire by boys.

Tuesday, June 18, 11.21 A. M. Box 17.

No. 3 Washington Street. Owned by John McIsaacs. Loss, trifling. Occupied by John Murphy. Loss, trifling. Cause, oil stove took fire.

Tuesday, June 18, 1.50 P. M. Automatic.

Cause, accidental automatic alarm from Irving & Casson mill.

Wednesday, June 19, 3.58 P. M. Box 15.

No. 150 Charles Street. Owned by J. McDonald. Loss, trifling. Occupied by Christopher O'Connor as dwelling. No loss. Cause, sparks from chimney on roof.

Wednesday, June 19, 6.30 P. M. Automatic.

Cause, accidental automatic alarm from Irving & Casson mill.

Thursday, June 20, 1.32 P. M. Box 26.

No. 711 Main Street. Owned by Eugene D. Brooks. Loss, $120. Insurance, $6,000. Occupied by H. L. Scotton as plumber shop. Loss, $72. Insurance, $200. Cause, spark from match ignited oakum.

Friday, June 21, 1.20 A. M. Box 37.

No. 21 Upton Street. Owned by Dorothy Witt. Loss, $15. Insurance, $5,000. Occupied by Herbert Marshall as dwelling. Loss, $10. Not insured. Cause, boy with slow match in closet.

Friday, June 21, 1.28 P. M. Box 162.

Corner Mt. Auburn and Willard Streets. Owned by M. Healey as load of hay. Loss, trifling. Cause, unknown.

Friday, June 21, 7.19 P. M. Box 8.

No. 21 Thorndike Street. Owned by Irving & Casson. No loss. Occupied by Joseph Joseph Bros. Co. as storage. Loss, $665. Insurance, $60,000. Cause, bales of cotton waste took fire spontaneously.

Monday, June 24, 9.37 A. M. Box 721.

No. 13 Harvey Street. Owned by Notre Dame Church. Loss, $209. Insurance, $1,000. Occupied by Joseph De Patie as dwelling. Loss, $125. Insurance, $300. Cause, rats and matches in closet.

Monday, June 24, 10.30 A. M. Box 341.

No. 279 Broadway. Owned by Ernest Hubel. Loss, $391. Insurance, $3,800. Occupied by Albert Keith as dwelling. Loss, $25. Not insured. Cause, children playing with matches in attic.

Monday, June 24, 2.22 P. M. Still.

Aberdeen Avenue. Owned by Francis L. Whittier as unoccupied dwelling. Loss, trifling. Cause, supposed set afire by boys.

Monday, June 24, 10.33 P. M. Box 216.

Corner Main and First Street. Owned and occupied by Mead-Morrison Manufacturing Company as machinery manufactory. Loss, $250. Insurance, $13,500. Cause, sparks from forge on floor.

Wednesday, June 26, 1.49 P. M. Box 52.

No. 1034 Massachusetts Avenue. Owned by George Howard. Loss, $18. Insurance, $5,000. Occupied by Arthur Cole as dwelling. Loss, $25. Not insured. Cause, spark from match on curtain.

Wednesday, June 26, 4.20 P. M. Still.

No. 40 Inman Street. Occupied by L. J. Chandler as dwelling. No fire. Meat burning on stove.

Wednesday, June 26, 5.50 P. M. Box 73.

No. 66 Clifton Street. Owned by William Parry. No loss. Occupied by Joseph Brunelle as dwelling. Loss, trifling. Cause, oil stove took fire.

Thursday, June 27, 11.15 P. M. Still.

No. 16 Brattle Street. Owned by Edwin H. Abbott. Loss, trifling. Occupied by John Ryan as restaurant. No loss. Cause, only rags, spontaneous.

Friday, June 28, 3.22 P. M. Box 216.

Cause, grass fire on vacant land on Main Street.

Friday, June 28, 4.51 P. M. Box 10. False alarm.

Friday, June 28, 6.31 P. M. Box 17.

No. 4 Portland Street. Owned by Rogers Estate as unoccupied dwelling. No loss. Cause supposed to be set afire by children.

Friday, June 28, 7.09 P. M. Box 136.

No. 544 Massachusetts Avenue. Occupied by F. W. Woolworth as variety store. Cause, burning rubbish in furnace making smoke.

Saturday, June 29, 8.18 A. M. Box 145.

No. 32 Bay Street. Owned by Hanna Hurd. Loss, trifling. Occupied by Jeremiah Murphy as dwelling. Loss, trifling. Cause, mice and matches in bureau drawer.

Saturday, June 29, 11.40 A. M. Box 431.

No. 80 Bolton Street. Owned and occupied by Annie Munyon as shed. No loss. Cause, sparks from dump fire.

Saturday, June 29, 3.12 P. M. Box 341. False alarm.

Saturday, June 29, 11.14 P. M. Box 136.

No. 400 Washington Street. Owned by A. Spencer. Loss, trifling. Occupied by William Chalmers as dwelling. Loss, trifling. Cause, curtain ignited by gaslight.

Sunday, June 30, 7.09 P. M. Box 41.

No. 68 Fairmont Street. Owned by F. W. Tilton. Loss, trifling. Occupied by B. N. Xavier as dwelling. No loss. Cause, rats and matches under cellar stairs.

Sunday, June 30, 10.28 P. M. Box 17.

No. 37 Burleigh Street. Occupied by James L. Franklin as dwelling. Loss, trifling. Cause, lamp exploded.

Sunday, June 30, 10.30 P. M. Box 28.

Alarm for same fire as from Box 17.

JULY.

Wednesday, July 3, 1.16 P. M. Box 178.

No. 62 Sherman Street. Owned by N. E. Brick Company as unoccupied dwelling. Loss, trifling. Cause, set afire by boys.

Wednesday, July 3, 8.50 P. M. Still.

Dump fire on Banks Street.

Thursday, July 4, 12.16 A. M. Box 178.

No. 287 Walden Street. Owned by N. E. Brick Company as shed. Cause, set afire by boys. Loss, trifling.

Thursday, July 4, 1.12 A. M. Box 71.

No. 2494 Massachusetts Avenue. Owned by Louise Berry as stable. No loss. Cause, set afire by boys.

Thursday, July 4, 3.14 A. M. Box 162.

Mt. Auburn Street, corner Willard. Cause, bonfire in street.

Thursday, July 4, 3.27 A. M. Box 178.

No. 287 Walden Street. Owned by N. E. Brick Company as shed. Loss, trifling. Cause, set afire by boys.

Thursday, July 4, 1.31 P. M. Box 137.

No. 25 Howard Street. Owned by Joseph Carew as dwelling. Loss, trifling. Cause, fire on roof from fireworks.

Thursday, July 4, 2.42 P. M. Box 69.

Fire on Day Street, Somerville.

Thursday, July 4, 4.14 P. M. Box 435.

No. 1 Murdock Street. Owned by M. F. Beckworth. No loss. Cause, chimney fire.

Thursday, July 4, 8.45 P. M. Still.

No. 402 Massachusetts Avenue. Owned by Albert P. Greenleaf as dwelling. No loss. Cause, fire on roof from fireworks.

Thursday, July 4, 9.03 P. M. Still.

No. 6 Hutchinson Street. Owned by Mary E. Phinney as dwelling. No loss. Cause, fire on roof from fireworks.

Thursday, July 4, 10.24 P. M. Box 12.

No. 169 Bridge Street. Owned by Bridget Doherty. No loss. Occupied by R. Joyce as junk storage. No loss. Cause, fire in rags from fireworks.

Thursday, July 4, 11.59 P. M. Box 341.

Broadway, corner Boardman Street. Owned and occupied by Broadway Baptist Society as church. Loss, $1,760. Insurance, $17,000. Cause, supposed careless smoking in water closet.

Friday, July 5, 1.15 A. M. Box 341.

Rekindling of church fire.

Friday, July 5, 2.52 A. M. Box 341.

Rekindling of church fire.

Friday, July 5, 10.37 A. M. Box 41.

No. 120 Pleasant Street. Owned by William McCoy. No loss. Occupied by Anna McGrory as dwelling. No loss. Cause, children playing with fire in cellar.

Saturday, July 6, 1.56 P. M. Box 62.

No. 9 Brewer Street. Owned by Charles R. Sewell. No loss. Occupied by John Smith as dwelling. Loss, $10. Not insured. Cause, cleaning bed with naphtha.

Saturday, July 6, 5.08 P. M. Box 341.

No. 277 Broadway. Owned by John L. Norris. Loss, $390. Insurance, $390. Occupied by Levi Fairbanks as stable. Loss, $65. Insurance, $1,000. Cause, unknown.

Saturday, July 6, 5.51 P. M. Box 19. False alarm.

Sunday, July 7, 7.35 P. M. Still.

B. & A. R. R. Cause pile of railroad ties on fire near Ninth Street.

Monday, July 8, 11.12 A. M. Box 17.

No. 4 Portland Street. Owned by Rogers Estate as unoccupied dwelling. No. loss. Cause, set afire by children.

Monday, July 8, 3.45 P. M. Box 271.

No. 8 Dudley Street. Owned by Harry Taylor. Loss, $902. Insurance, $7,500. Occupied by Alfred Paquatte as dwelling. Loss, $110. Insurance, $600. Cause, oil stove took fire.

Tuesday, July 9, 2.45 P. M. Still.

Banks Street dump fire.

Tuesday, July 9, 7.40 P. M. Still.

No. 16 Marcella Street. Owned by Joseph Grossman. Cause, careless dropping match in paper, setting fire to plank walk in yard.

Wednesday, July 10, 4.17 P. M. Box 137.

No. 215 River Street. Owned by Fred Richardson. Loss, $200. Not insured. Occupied by Fred Richardson as second-hand doors and windows. Loss, $100. Not insured. Cause, boys playing with fire.

Saturday, July 13, 1.48 P. M. Box 439.

No. 112 Sidney Street. Owned by Eastern Expanded Metal Co. Loss, $645. Insurance, $1,000. Occupied by Eastern Expanded Metal Company as manufactory. Loss $450. Insurance, $500. Cause, friction about bench saw igniting sawdust.

Monday, July 15, 1.43 P. M. Box 416.

B. & A. R. R. Owned by Geo. E. Page as carload of lumber. Loss, $154. Insurance, $154. Cause, set afire by boys.

Tuesday, July 16, 7.51 A. M. Box 428.

No. 28 Hampshire Street. Owned and occupied by Boston Woven Hose and Rubber Company as factory. No loss. Cause, exploded naphtha being used to remove cloth from rubber.

Tuesday, July 16, 9.10 P. M. Box 83. False alarm.

Wednesday, July 17, 11.18 A. M. Box 126.

No. 106 Windsor Street. Owned by Austin Ford. No loss. Occupied by Michael F. Danehy as dwelling. Loss, trifling. Cause, child set fire to curtain.

Wednesday, July 17, 11.30 P. M. Box 31.

No. 166 Willow Street. Owned and occupied by Annie E. McDonald as stable. Loss, $75. Insurance, $300. Cause, spontaneous in oily rags.

Thursday, July 18, 2.45 P. M. Still.

No. 278 Walden Street. Owned by N. E. Brick Company. No loss. Cause, set afire by boys.

Thursday, July 18, 8.21 P. M. Box 215.

Cause, dump fire off Vine Street.

Friday, July 19, 9.45 A. M. Still.

B. & A. R. R., between Cambridge and Medford Streets. Cause, freight car set afire by boys. No loss.

Friday, July 19, 6.15 P. M. Box 46.

No. 123 Hancock Street. Owned by Charles F. Leach. No loss. Cause, bed in yard set afire by children.

Friday, July 19, 11.56 P. M. Box 216.

No. 117 Main Street. Owned by Cambridge Electric Light Company. No loss. Occupied by W. W. Field as machine shop. No loss. Cause, careless dropping fire on sill of building.

Sunday, July 21, 12.20 A. M. Box 61.

No. 1 Winthrop Square. Owned by Pi Eta Corporation. Loss, $503.25. Insurance, $12,200. Occupied by Pi Eta Corporation as clubhouse. Loss, $75.50. Insurance, $2,500. Cause ,rats and matches in ceiling of first floor.

Sunday, July 21, 10.15 A. M. Box 29.

No. 53 Plymouth Street. Owned by Bessie Feinberg. Loss, $125. Insurance, $17,000. Occupied by Isadore Jacoby as dwelling. Loss, $275. Insurance, $1,000. Cause, dropping lighted match in bed.

Sunday, July 21, 2.25 P. M. Box 29.

No. 9 Sickle Street. Owned by A. T. Stewart, Agent. Loss, $75. Insurance, $3,500. Occupied by Edward J. Burns as dwelling. Loss, $90. Insurance, $500. Cause, spark from match on curtain.

Sunday, July 21, 5.58 P. M. Box 215.

Near Ninth Street on B. & A. R. R. Cause, rubbish in freight car set afire by boys. No loss.

Sunday, July 21, 7.33 P. M. Box 137.

No. 67 Howard Street. Owned and occupied by Philip Harrington as dwelling. Loss, trifling. Cause, hanging lamp exploded in front hall.

Sunday, July 21, 8.16 P. M. Box 79. False alarm.

Monday, July 22, 10.05 A. M. Still.

No. 41 Ninth Street. Owned by D. Crimmins as dwelling. No loss. Cause, chimney fire.

Monday, July 22, 11.02 P. M. Box 178.

Off Sherman Street. Owned by N. E. Brick Company as steam shovel. Loss, $350. Not insured. Cause, spontaneous in oily waste.

Tuesday, July 23, 12.21 A. M. Box 721. False alarm.

Tuesday, July 23, 9.06 P. M. Box 178.

No. 287 Walden Street. Owned by N. E. Brick Company as office. Loss, trifling. Cause, set afire by boys.

Thursday, July 25, 4.38 A. M. Box 271.

No. 2404 Massachusetts Avenue. Owned by Matthew L. Allison. Loss, $300. Insurance, $500. Occupied by Matthew L. Allison as lunch car. Loss, $350. Insurance, $400. Cause, oil stove took fire.

Thursday, July 25, 7.31 P. M. Box 215.

Ninth Street. Owned by Boston Bridge Company. Loss, $200. Insurance, $200. Cause, spontaneous in oil and paint.

Thursday, July 25, 7.33 P. M. Box 415.

Alarm for same fire as from Box 215.

Thursday, July 25, 7.48 P. M. Box 178.

No. 62 Sherman Street. Owned by N. E. Brick Company. Loss, trifling. Cause, set afire by boys.

Friday, July 26, 10.10 P. M. Still.

No. 62 Sherman Street. Owned and occupied by N. E. Brick Company as shed. Loss, trifling. Cause, incendiary.

Friday, July 26, 9.15 P. M. Box 28.

No. 165 Broadway. Owned by Margaret Willworth. Loss, trifling. Cause, careless dropping lighted match on bed.

Friday, July 26, 10.10 P. M. Still.

No. 62 Sherman Street. Owned by N. E. Brick Company as shed. Loss, trifling. Cause, incendiary.

Saturday, July 27, 12.25 A. M. Box 271.

No. 2419 Massachusetts Avenue. Owned by Charles A. Mason. Loss, trifling. Occupied by North Cambridge Athletic Club as club-room. No loss. Cause, set afire under building.

Saturday, July 27, 11.54 A. M. Box 8.

No. 124 First Street. Owned by Independent Wood Company as wood-pile. Loss, trifling. Cause, rubbish set fire to wood-pile.

Saturday, July 27, 5.00 P. M. Still.

Ninth Street dump, near Goepper Bros.' storehouse.

Saturday, July 27, 7.12 P. M. Box 215.

No. 71 Ninth Street. Owned by Goepper Bros. Loss, $100. Insurance, $2,000. Occupied by Goepper Bros. as storage for barrel staves. Loss, $500. Insurance, $20,000. Cause, took fire under building from dump fire.

Saturday, July 27, 11.18 P. M. Box 271. False alarm.

Monday, July 29, 10.55 A. M. Box 31.

No. 21 Harding Street. Owned by John McGurk. Loss, trifling. Occupied by John Driscoll as store. Loss, trifling. Cause, spark from match on curtain.

Monday, July 29, 5.03 P. M. Box 116.

Junction Broadway and Third Street. Owned and occupied by William H. Wood as shed. No loss. Cause, rubbish set afire by boys.

Tuesday, July 30, 2.12 A. M. Box 139.

No. 279 Pearl Street. Owned by Thomas Conway. Loss, $50. Insurance, $7,500. Occupied by J. C. Harris as dwelling. Loss, trifling. Cause, spark from match in bag of coke in kitchen.

Tuesday, July 30, 10.39 A. M. Box 52.

No. 1114 Massachusetts Avenue. Owned by C. H. Montague. No loss. Occupied by Hanna Tiler as dwelling. No loss. Cause, smoke from stove.

Tuesday, July 30, 10.20 P. M. Box 126.

No. 13 Pine Street. Owned by Honora McAuliff. Loss, $665. Insurance, $4,000. Occupied by David R. McClashen as dwelling. Loss, $500. Not insured. Cause, lamp exploded in bed-room.

Tuesday, July 30, 2.30 P. M. Still.

No. 62 Sherman Street. Owned by N. E. Brick Company as unoccupied dwelling. Loss, trifling. Cause, set afire by boys.

Tuesday, July 30, 7.00 P. M. Still.

No. 62 Sherman Street. Owned by N. E. Brick Company as unoccupied dwelling. Loss, trifling. Cause, set afire by boys.

Wednesday, July 31, 11.20 A. M. Still.

Corner Franklin and Blanche Street. Owned and occupied by Fred O. White as shed. No loss. Cause, set afire by boys.

Wednesday, July 31, 8.47 P. M. Box 6.

Cause, careless dropping fire on Craigie Bridge, igniting dirt.

Wednesday, July 31, 10.34 P. M. Box 17.

Unoccupied freight car on B. & A. R. R. Cause, unknown.

Wednesday, July 31, 10.36 P. M. Box 19.

Alarm for same fire as from Box 17.

AUGUST.

Thursday, August 1, 3.23 P. M. Box 215.

Vine Street dump fire.

Thursday, August 1, 5.10 P. M. Still.

No. 62 Sherman Street. Owned and occupied by N. E. Brick Company. No loss. Cause, stable set afire by boys.

Thursday, August 1, 9.00 P. M. Still.

No. 62 Sherman Street. Owned and occupied by N. E. Brick Company as stable. No loss. Cause, set afire by boys.

Friday, August 2, 6.52 A. M. Box 92.

No. 85 Park Avenue. Owned by Estha Lane as dwelling. No loss. Cause, chimney fire.

Saturday, August 3, 3.30 P. M. Box 178.

No. 287 Walden Street. Owned by N. E. Brick Company as shed. No value. Total destroyed. Cause, set afire by boys.

Sunday, August 4, 4.30 P. M. Still.

No. 71 Ninth Street. Owned and occupied by Goepper Bros. as barrel factory. Loss, trifling. Cause, fire under floor from drying kiln.

Sunday, August 4, 6.50 P. M. Box 32.

No. 1130 Cambridge Street. Occupied by Dennis Maloney as dwelling. No loss. Cause, smoke from fumigating room.

Sunday, August 4, 9.02 P. M. Still.

Corner Third and Cambridge Streets. Cause, electric car took fire.

Monday, August 5, 11.24 A. M. Box 14.

No. 24 Seventh Street. Occupied by C. Misnor as dwelling. No loss. Cause, smoke from stove.

Tuesday, August 6, 7.53 A. M. Box 115.

No. 265 Third Street. Owned and occupied by Blake & Knowles as foundry. Loss, $216.50. Insurance, $282,000. Cause, oil in cellar took fire from over-heated oven.

Tuesday, August 6, 11.35 P. M.

Engine No. 4 sent to Arlington to assist at hotel fire.

Wednesday, August 7, 10.04 A. M. Box 137.

No. 284 Western Avenue. Owned by Herbert L. Rose. Loss, $35. Insurance, $7,000. Occupied by Maurice Barron as dwelling. Loss, trifling. Cause, gas stove set fire to table.

Thursday, August 8, 7.43 A. M. Box 137.

No. 14 Elmer Street. Owned by Edward Murphy. Loss, $95. Insurance, $3,000. Occupied by Dominic Parris as dwelling. Loss, $15. Not insured. Cause, fire in pantry, unknown.

Thursday, August 8, 5.35 P. M. Box 215.

Ninth Street dump fire.

Thursday, August 8, 11.20 P. M. Still.

B. & M. R. R., near Mt. Auburn. Cause, telegraph pole afire.

Friday, August 9, 9.28 P. M. Box 32.

No. 987 Cambridge Street. Owned by Louis Rubin. Loss, $53. Insurance, $17,000. Occupied by Cornelius Crowley as dwelling. Loss, trifling. Cause, careless dropping match in water closet.

Saturday, August 10, 9.40 A. M. Still.

No. 2 Harvard Place. Owned by M. Sousa. Loss, trifling. Occupied by Mrs. Downey as dwelling. No loss. Cause, stove rags under sink, spontaneous.

Sunday, August 11, 6.19 A. M. Box 134.

No. 1229 Cambridge Street. Owned by J. Moynahan. No loss. Occupied by F. Sayer as dwelling. No loss. Cause, smoke from stove.

Tuesday, August 13, 10.43 A. M. Still.

No. 29 Bolton Street. Owned by Agnes Billis. Loss, $15. Not insured. Occupied by E. Maginnis as stable. No loss. Cause, set afire by boys.

Tuesday, August 13, 2.02 P. M. Box 215.

No. 77 Sixth Street. Owned and occupied by Charles Benz as smoke-house. Loss, trifling. Cause, sausage smoke-house over-heated.

Tuesday, August 13, 3.43 P. M. Box 72.

No. 59 Reed Street. Grass fire. No damage.

Wednesday, August 14, 7.15 P. M. Still.

River Street dump fire. No damage.

Thursday, August 15, 1.07 P. M. Box 427.

No. 208 Broadway. Owned and occupied by Doten & Dutton as boiler-room. No loss. Cause, shavings on boiler-room floor took fire.

Thursday, August 15, 2.23 P. M. Box 71.

Off Newbury Street. Grass fire. No damage.

Thursday, August 15, 3.23 P. M. Box 42.

Off Montague Street. Grass fire. No damage.

Thursday, August 15, 3.41 P. M. Box 32.

No. 465 Windsor Street. Owned by Mr. Scanlan. Loss, trifling. Occupied by Morris Rosenberg as barn. No loss. Cause, boys playing with fire outside of building.

Thursday, August 15, 4.45 P. M. Still.

Landsdown Street. Grass fire. No damage.

Friday, August 16, 5.30 P. M. Still.

Deacon Street dump fire. No damage.

Friday, August 16, 7.00 P. M. Still.

Longfellow Park shrubbery afire. No damage.

Saturday, August 17, 8.06 P. M. Box 31.

No. 781 Cambridge Street. Owned by Mary Brogan. Loss, $375. Insurance, $8,000. Occupied by D. A. Marshall as millinery store. Loss, $1,000. Insurance, $1,500. Cause, spark from match in straw goods. No. 783 Cambridge Street. Occupied by Charles Klarfield as shoe store. Loss, $100. Insurance, $1,200. Cause, smoke from next store fire.

Sunday, August 18, 5.55 A. M. Still.

No. 62 Sherman Street. Owned by N. E. Brick Company as unoccupied stable. Loss, trifling. Cause, incendiary.

Sunday, August 18, 12.35 P. M. Still.

Garden Street. Grass fire. No damage.

Sunday, August 18, 5.30 P. M. Still.

Wardsworth Street. Grass fire. No damage.

Monday, August 19, 1.50 A. M. Still.

No. 158 Broadway. Owned by Catherine McCarthy. Loss, trifling. Occupied by Joe Demonica as fruit store. No loss. Cause, fire on outside of building. Cause, unknown.

Monday, August 19, 6.20 P. M. Still.

Western Avenue. Bridge on fire on Brighton end. Cause, unknown. Loss, trifling.

Tuesday, August 20, 6.57 A. M. Box 17.

No. 3 Rogers Court. Owned by Rogers Estate. Loss, trifling. Occupied by Annie Peterson as dwelling. Loss, $10. Not insured. Cause, unknown. Fire in clothes closet.

Tuesday, August 20, 10.45 A. M. Still.

Wardsworth Street. Cause, rubbish. No damage.

Tuesday, August 20, 1.00 P. M. Still.

Second Street. Cause, rubbish. No damage.

Tuesday, August 20, 6.05 P. M. Still.

No. 475 Main Street. Owned and occupied by I. W. Gillispie as carpenter shop. No loss. Cause, unknown.

Tuesday, August 20, 11.14 P. M. Box 682.

No. 55 Regent Street. Owned by J. Cushing & Co. Loss, $327. Insurance, $2,000. Occupied by J. Cushing & Co. as grain storage. Loss, $160. Insurance, $4,000. Cause, exposed to freight car afire from tramps smoking.

Wednesday, August 21, 10.23 P. M. Box 115.

No. 265 Third Street. Owned and occupied by Blake & Knowles as foundry. Loss, $140. Insurance, $282,000. Fire in compressed air room. Cause, oily coat ignited from matches.

Thursday, August 22, 7.45 P. M. Still.

No. 15 Farwell Place. Owned by Charles Moore. Loss, trifling. Occupied by Margaret Hawkes as dwelling. Loss, $25. Not insured. Cause, mice and matches in furniture in cellar.

Friday, August 23, 11.15 P. M. Still.

Western Avenue. Bridge afire. Cause, careless dropping fire in combustible dirt.

Friday, August 23, 3.09 P. M. Box 137.

No. 266 Western Avenue. Occupied by David Goldstein as dwelling. No loss. Cause, children set fire to rugs on piazza.

Monday, August 26, 4.10 P. M. Still.

No. 202 River Street. Cause, fence took fire from dump. Loss, trifling.

Monday, August 26, 4.10 P. M. Still.

No. 5 Pelham Street. Owned by C. P. Van Wie as dwelling. Loss, $1.75. Insurance, $1,200. Cause, sparks from foundry on roof.

Tuesday, August 27, 4.06 A. M. Box 428.

No. 28 Hampshire Street. Owned and occupied by Boston Woven Hose and Rubber Company as factory. Loss, trifling. Cause, oily rags in cotton belting room.

Tuesday, August 27, 6.48 P. M. Box 28.

No. 162 Broadway. Owned by Lever Brothers Company. Loss, trifling. Occupied by Mason & Hamlin as factory. Loss, trifling. Cause, rags in cellar, spontaneous.

Wednesday, August 28, 12.20 A. M. Box 271.

No. 75 Reed Street. Owned by Michael Melvin as unoccupied dwelling. Loss, trifling. Cause, set afire by boys.

Wednesday, August 28, 5.30 P. M. Still. Second Street. Cause, burning rubbish. No damage.

Thursday, August 29, 1.12 P. M. Box 137.

No. 26 Western Avenue. Owned by John Shaw. Loss, $43. Insurance, $3,000. Occupied by Samuel Baron as dwelling. Loss, $50. Insurance, $1,000. Cause, children set fire to curtain.

Thursday, August 29, 3.30 P. M. Still.

No. 75 Reed Street. Owned by Michael Melvin as unoccupied dwelling. No damage. Cause, set afire by boys.

Friday, August 30, 1.05 A. M. Still.

No. 278 Walden Street. Owned by N. E. Brick Company. Loss, trifling. Occupied by Wm. Dardis as stable. No loss. Cause, set afire by persons unknown.

Friday, August 30, 2.40 A. M. Box 52. Second alarm.

No. 1010 Massachusetts Avenue. Owned by Anthony W. Strauss. Loss, $19,000. Insurance, $65,000. Occupied by W. L. Hayes as dwelling. Loss, $550. Insurance, $1,500. Occupied by M. D. Hill. Loss, $2,000. Insurance, $2,000. Occupied by W. O. Harlow. Loss, $1,650. Insurance, $2,000. Occupied by S. C. Wood. Loss, $873. Insurance, $1,000. Occupied by Charles I. Lindsey. Loss, $2,500. Insurance, $2,500. Occupied by K. M. Farnsworth. Loss, $125. Insurance, $600. Occupied by E. F. Philbrick. Loss, $140. Insurance, $1,000. Occupied by Charles Bullock. Loss, $500. Insurance, $1,000. Occupied by J. E. Hannigan. Loss, $500. Not insured. Occupied by Geo. H. Stearns. Loss, $250. Not insured. Occupied by J. K. Whittemore. Loss, $904.83. Insurance, $1,500. Occupied by C. F. Baxter. Loss, $1,450. Insurance, $1,500. Occupied by W. P. McKenzie. Loss, $200. Not insured. Cause, supposed careless dropping fire in rubbish at foot of back stairs on first floor.

Saturday, August 31, 1.06 A. M. Box 45.

No. 457 Franklin Street. Owned by John J. Dignan. Loss, $400. Insurance, $1,500. Occupied by Max Portnoy as dwelling. Loss, $574. Insurance, $1,000. Cause, candle left burning on table ignited table cloth.

Saturday, August 31, 1.35 P. M. Box 271.

No. 75 Reed Street. Owned by Michael Melvin as unoccupied dwelling. Loss, trifling. Cause, set afire by boys.

SEPTEMBER.

Monday, September 2, 8.50 A. M. Still.

No. 5 Jefferson Street. Owned by Michael O'Leary. Loss, $25. Insurance, $3,000. Occupied by several families as dwelling. No loss. Cause, defect in chimney.

Monday, September 2, 9.55 A. M. Still.

No. 31 Warren Street. Owned and occupied by Dr. Argenzio as dwelling. No loss. Cause, chimney fire.

Monday, September 3, 5.00 P. M. Box 21.

Waverley Street. Owned and occupied by Prest-O-Lite Company as factory. No loss. Cause, gas explosion.

Monday, September 2, 5.01 P. M. Box 121.

Alarm for fire from Box 21.

Tuesday, September 3, 2.45 P. M. Still.

No. 603 Massachusetts Avenue. Owned by T. H. Raymond, Agent. No loss. Occupied by Cloverdale Dairy Company as store. No loss. Cause, gas light ignited wood-work.

Tuesday, September 3, 6.05 P. M. Still.

Foot of Magazine Street. Owned by J. F. Adams as automobile. Cause, automobile on fire.

Tuesday, September 3, 7.47 P. M. Box 139.

No. 146 Hamilton Street. Owned by Charles Waugh. Loss, $19. Insurance, $2,000. Occupied by James J. Farrell as dwelling. Loss, $32.60. Insurance, $1,000. Cause, spark from match on curtain.

Wednesday, September 4, 9.20 P. M. Box 216.

No. 253 First Street. Owned by Consumers' Coal Company. Loss, trifling. Cause, soft coal afire.

Friday, September 6, 8.40 P. M. Still.

B. & A. R. R., between Medford and Cambridge Streets. Cause, rubbish afire.

Wednesday, September 11, 5.15 P. M. Still.

Putnam Avenue dump fire. No damage.

Thursday, September 12, 3.04 P. M. Box 8.

No. 18 Spring Street. Owned and occupied by J. Souza as dwelling. Loss, $23.70. Insurance, $4,000. Cause, child playing with matches under sink.

Thursday, September 12, 7.35 P. M. Still.

Corner Read and Dudley Streets. Owned by Patrick Noonan as uncocupied dwelling. Loss, trifling. Cause, set afire by boys.

Friday, September 13, 9.11 P. M. Still.

No. 66 Spark Street. Owned and occupied by John Noble as dweling. No loss. Cause, burning rags in furnace made smoke.

Monday, September 16, 4.40 P. M. Still.

Corner Huron and Concord Avenue. Cause, electric car afire.

Monday, September 16, 9.35 P. M. Still.

No. 75 Read Street. Owned by Michael Melvin as unoccupied dwelling. No loss. Cause set afire by boys.

Thursday, September 19, 9.15 A. M. Still.

No. 20 Bradbury Street. Owned by Margaret Twohy as dwelling. No loss. Cause, chimney fire.

Saturday, September 21, 6.18 P. M. Box 18. False alarm.

Sunday, September 22, 12.40 P. M. Still.

No. 75 Read Street. Owned by Michael Melvin as unoccupied dwelling. No loss. Cause, set afire by boys.

Monday, September 23, 9.36 P. M. Still.

Harvard street, near Ware Street. Electric pole afire.

Wednesday, September 25, 10.00 A. M. Still.

No. 1 1-2 Brattle Square. Owned by David Brewer as dwelling. No loss. Cause, chimney fire.

Thursday, September 26, 2.51 A. M. Box 416.

Binney Street, corner Ninth. Owned by Boston Bridge Works. Loss, trifling. Cause, oily clothing ignited boxes.

Thursday, September 26, 9.38 P. M. Box 71.

No. 2460 Massachusetts Avenue. Owned by James A. Wood as barn. Loss, $1,000. Not insured. Occupied by H. A. Clark. Loss, $200. Insurance, $250. Cause, incendiary. Originated under stairs.

Thursday, September 26, 9.40 P. M. Box 271.

Alarm for same fire as from Box 71.

Friday, September 27, 4.04 P. M. Box 139.

No. 14 Kenwood Street. Owned and occupied by Nathan Saltman as barn. Loss, $350. Insurance, $350. Cause, boys with matches in hayloft.

Monday, September 30, 6.39 A. M. Box 36. Second alarm.

No. 5 Western Avenue. Owned and occupied by City of Cambridge as department quarters, et al. Loss, $2,500. Not insured. Cause, rats and matches in barrel of rubbish at foot of attic stairs.

Monday, September 30, 6.27 P. M. Box 139.

No. 515 Putnam Avenue. Owned by John Blevens. No loss. Occupied by Frank C. Lynch as dwelling. No loss. Cause, gas light ignited wood-work.

Monday, September 30, 6.29 P. M. Box 121.

Alarm for same fire as from Box 139.

OCTOBER.

Tuesday, October 1, 6.39 P. M. Box 215.

No. 260 Charles Street. Owned by Benjamin Larkin. No loss. Insurance, $500. Occupied by Benjamin Larkin as dwelling. Loss, $20. Insurance, $500. Cause, lamp exploded in bed-room.

Tuesday, October 1, 8.42 P. M. Box 54.

Holmes Field. Owned by Harvard University. Loss, $150. Not insured. Occupied by Harvard University as a hall. Loss, $225. Not insured. Cause, spontaneous, oily rags.

Wednesday, October 2, 6.40 P. M. Still.

No. 8 Marcella Street. Owned by Louis Sanellor as unoccupied dwelling. No loss. Cause, accidental dropping lamp.

Wednesday, October 2, 6.45 P. M. Box 17.

No. 26 1-2 Washington Street. Owned by Rogers Estate as dwelling. No loss. Cause, chimney fire.

Wednesday, October 2, 7.20 P. M. Box 71.

Corner Massachusetts Avenue and Magoun Street. Owned by Street Department. Cause, can of oil in street afire.

Thursday, October 3, 4.04 P. M. Box 38.

No. 114 Magazine Street. Owned by Charles P. Keith. Loss, $272. Insurance, $2,500. Occupied by G. G. Perry as grocery store. Loss, $21.30. Insurance, $500. Cause, man working with lantern on gas-pipe, gas exploded.

Thursday, October 3, 4.06 P. M. Box 139.

Alarm for same fire as from Box 38.

Sunday, October 6, 12.55 P. M. Still.

B. & A. R. R. Owned by B. & A. R. R. Loss, trifling. Cause, freight carload of empty barrels set afire by boys.

Sunday, October 6, 2.15 P. M. Still.

B. & A. R. R. Owned by B. & A. R. R. as freight car. No loss. Cause, rubbish in car set afire by boys.

Sunday, October 6, 5.45 P. M. Still.

No. 513 Massachusetts Avenue. Owned by Charles James. No loss. Cause, rubbish in yard set afire by boys.

Monday, October 7, 5.25 P. M. Box 16.

No. 27 Harvard Street. Owned by M. Souza. Loss, $250. Insurance, $3,000. Occupied by Tony Capella as dwelling. Loss, $250. Not insured. Fire in clothes closet. Cause, unknown.

Monday, October 7, 7.05 P. M. Still.

No. 68 Brookline Street. Owned by Mary Bryant. Loss, trifling. Occupied by Gertrude Van Wart as dwelling. No loss. Cause, over-heated smoke-pipe in cellar.

Monday, October 7, 7.55 P. M. Box 87.

No. 334 Concord Avenue. Owned by N. E. Brick Company. Loss, $35. Insurance, $2,000. Occupied by Patrick Morgan. No loss. Cause, lamp set too near wood-work.

Tuesday, October 8, 5.43 P. M. Box 135.

No. 263 Harvard Street. Owned and occupied by Frank A. Allen as dwelling. No loss. Cause, chimney fire.

Wednesday, October 9, 1.32 P. M. Still.

No. 21 Thorndike Street. Owned and occupied by J. Joseph Company as cotton waste storage. Cause, smoke from office mistaken for fire.

Thursday, October 10, 11.21 A. M. Box 29.

No. 32 Portsmouth Street. Owned by Louis Levi. Loss, trifling. Occupied by Robert Durdle as dwelling. Loss, $10. Not insured. Cause, turning oil from can onto fire in stove.

Friday, October 11, 3.00 P. M. Still.

No. 878 Main Street. Owned by Union Baptist Society. Cause, smoke mistaken for fire.

Saturday, October 12, 8.31 P. M. Box 38. False alarm.

Sunday, October 13, 5.29 P. M. Box 41.

No. 50 Prince Street. Owned by Judson G. Smith. No loss. Occupied by Lee Davis as dwelling. No loss. Cause, plumber's torch took fire.

Tuesday, October 15, 1.31 P. M. Box 27.

No. 165 Harvard Street. Owned by Dennis Brown. Loss, $20. Insurance, $2,000. Occupied by John Petterson as dwelling. Loss, $15. Not insured. Cause, careless dropping fire on bed.

Wednesday, October 16, 1.30 A. M. Still.

No. 62 Sherman Street. Owned and occupied by N. E. Brick Company as stable. Loss, trifling. Cause, set afire by boys.

Wednesday, October 16, 7.30 P. M. Still.

Sands Street. Cause, telegraph pole afire. No damage.

Wednesday, October 16, 4.08 P. M. Box 32.

No. 1056 Massachusetts Avenue. Owned by Mary Alman. Loss, $44. Insurance, $6,500. Occupied by Jeremiah Sullivan. Loss, $69. Insurance, $800. Cause, children set fire to curtain.

Friday, October 18, 6.55 P. M. Box 94.

Grass fire on Bird Street. No damage.

Friday, October 18, 6.15 P. M. Still.

No. 265 Cambridge Street. Owned by H. N. Hovey. Loss, $16. Insurance, $1,945. Occupied by Clarence J. Miller as dwelling. Loss, $24.50. Insurance, $2,000. Cause, lamp exploded.

Monday, October 21, 9.09 P. M. Box 78.

No. 69 Concord Avenue. Owned by Margaret M. Holly as dwelling. No loss. Cause, chimney fire.

Wednesday, October 23, 7.04 P. M. Box 145.

No. 61 Howard Street. Owned by Charles P. Keith. No loss. Occupied by Martha Mills as dwelling. Loss, trifling. Cause, oil stove took fire.

Wednesday, October 23, 9.44 P. M. Box 112.

East Street. Owned and occupied by B. & M. R. R. Co. as second house. Loss,——— Insurance, ———. Cause, spontaneous, oily waste.

Wednesday, October 23, 9.46 P. M. Box 9.

Alarm for same fire as from Box 112.

Friday, October 25, 11.40 A. M. Box 271.

No. 2405 Massachusetts Avenue. Owned by E. R. Dix. Loss, $200. Not insured. Occupied by Fred S. Glynn as variety store. Loss, $1,000. Insurance, $1,200. Cause, spontaneous, oily rags.

Saturday, October 26, 2.51 P. M. Box 115.

Third Street, near Monroe. Cause, waste paper on junk wagon afire. No damage.

Sunday, October 27, 3.10 P. M. Box 134.

No. 1221 Cambridge Street. Owned by Moynahan & Co. Loss——— Insurance——— Occupied by William Coyne as dwelling. Loss, trifling. Cause, careless dropping match in water closet, igniting paper.

Sunday, October 27, 4.46 P. M. Box 234. False alarm.

Sunday, October 27, 9.15 P. M. Still.

Portland Street. Owned by Boston Woven Hose and Rubber Company as brass foundry. No loss. Cause, can of acid exploded.

Monday, October 28, 2.20 P. M. Box 26.

Albany Street. Owned and occupied by G. W. Gale Lumber Company as planing mill. No loss. Cause, sparks from boiler-room igniting shavings in bin.

Thursday, October 31, 5.45 P. M. Still.

No. 274 Broadway. Owned by George Close as dwelling. No loss. Cause, chimney fire.

NOVEMBER.

Saturday, November 2, 7.24 A. M. Still.

No. 25 Warren Street. Owned by Joseph Galvin as dwelling. No loss. Cause, chimney fire.

Saturday, November 2, 616 P. M. Box 42. False alarm.

Saturday, November 2, 9.07 P. M. Box 17.

No. 19 Portland Street. Owned by Nathan Tarlanski. Loss, $312.50. Insurance, $16,000. Occupied by Charles A. Henry as dwelling. Loss, $200. Not insured. Cause, lamp exploded.

Sunday, November 3, 12.11 P. M. Box 152.

No. 1200 Massachusetts Avenue. Owned by Ten Associates as unoccupied dwelling. Loss, trifling. Fire in waste paper in basement. Cause, unknown.

Sunday, November 3, 3.20 P. M. Box 425. False alarm.

Sunday, November 3, 5.50 P. M. Box 38. False alarm.

Monday, November 4, 12.09 A. M. Box 12.

No. 34 Third Street. Owned by Odd Fellows' Association. No loss. Occupied by Patrick Reagan as dwelling. No loss. Cause, lamp overturned.

Tuesday, November 5, 9.39 A. M. Box 53.

No. 50 Winthrop Street. Owned by Riverside Association. Loss, $484. Insurance, $3,200. Occupied by Mary Burke as dwelling. Loss, $487.12. Insurance, $3,000. Cause, over-heated furnace.

Tuesday, November 5, 4.28 P. M. Box 45.

No. 384 Franklin Street. Owned by Humphrey Sullivan Heirs. Loss, trifling. Occupied by David Walker as dwelling. Loss, trifling. Cause, children with matches in closet..

Tuesday, November 5, 8.40 P. M. Still.

No. 124 Mt. Auburn Street. Owned by C. D. Whitmore. No loss. Occupied by P. W. Stone as bed-room. Loss, trifling. Cause, dropping automatic cigar lighter on bed.

Friday, November 8, 7.03 P. M. Box 428.

Portland Street. Cause, kettle of tar in yard of Boston Woven Hose Company. No damage.

Saturday, November 9, 10.57 A. M. Box 157.

No. 76 Oxford Street. Owned by Charles W. Gerould as dwelling. No loss. Cause, hot ashes in barrel in cellar.

Saturday, November 9, 12.45 P. M. Box 21.

Near Waverly Street. B. & A. R. R. Owned by G. M. Eddy as carload of hay. Loss, $59. Insurance, $200. Cause, set afire by boys.

Saturday, November 9, 2.28 P. M. Box 126.

No. 304 Washington Street. Owned by F. W. Ferdinand. No loss. Occupied by John Cummings as dwelling. No loss. Cause, smoke from stove.

Monday, November 11, 12.17 A. M. Box 73. False alarm.

Monday, November 11, 1.06 P. M. Box 74.

No. 177 Sherman Street. Owned by John Ward. Loss, $423. Insurance, $900. Occupied by John Ward as stable. Loss, $250. Insurance, $300. Cause, incendiary.

Tuesday, November 12, 1.55 P. M. Still.

Deacon Street. Owned by Levi Marston as cooper shop. No loss. Cause, sparks from chimney on roof.

Thursday, November 14, 8.30 P. M. Still.

No. 157 Main Street. Owned by Bay State Fuel Company as coal pile. Cause, spontaneous in soft coal.

Friday, November 15, 9.50 A. M. Box 52.

No. 10 Arrow Street. Owned by Boston Book Binding Company. Loss, trifling. Occupied by Boston Book Binding Company. Loss, $400. Insurance, $400. Cause, supposed to be paper near over-heated pipe.

Saturday, November 16, 1.43 A. M. Box 26.

No. 750 Main Street. Owned by Howe Estate. Loss, $3,080. Insurance, $10,000. Occupied by J. J. Adams as brush factory. Loss, $7,820. Insurance, $14,450. Cause supposed rats and matches in basement.

Saturday, November 16, 1.25 P. M. Box 36.

No. 21 Central Square. Owned by George Southwick as building undergoing repairs. Cause, steam from drying plastering mistaken for fire.

Saturday, November 16, 8.50 P. M. Still.

Corner of Harvard and Lee Streets. Owned by Peerless Automobile Company. Cause, automobile afire. Loss, trifling.

Saturday, November 16, 10.40 P. M. Box 215.

No. 107 Sixth Street. Owned by Patrick McCarthy as dwelling. No loss. Cause, chimney fire.

Monday, November 18, 6.20 A. M. Box 121.

On water at Brookline Street Bridge. Owned by West End Boat Club as boat house. Loss, $300. Not insured. Occupied by owner. Loss, $1,000. Not insured. Cause, supposed incendiary.

Monday, November 18, 4.35 P. M. Box 36.

No. 743 Massachusetts Avenue. Owned by George Southwick. Loss, $600. Insurance, $1,400. Occupied by James F. Grimes as millinery store. Loss, $650. Insurance, $1,000. Cause, lamp exploded in near room.

Wednesday, November 20, 5.16 P. M. Box 53.

No. 33 Holyoke Street. Owned by Riverside Association. Loss, $75. Insurance, $10,000. Occupied by F. L. Hunt as sleeping room. Loss, trifling. Cause, wood mantel took fire from open fireplace.

Thursday, November 21, 1.38 P. M. Box 35.

No. 305 Broadway. Owned by John Lynch. Loss, $45. Insurance, $2750. Occupied by Frank Elliott as dwelling. Loss, $43. Insurance, $2000. Cause, careless dropping match on bed.

Saturday, November 23, 2.00 A. M. Still.

Near Ninth Street. Owned by B. & A. R. R. as empty freight car. Loss trifling. Cause, supposed incendiary.

Sunday, November 24, 3.19 P. M. Box 25.

No. 498 Massachusetts Avenue. Owned by George Southwick as dwelling and stores. Cause, steam from pipe on roof.

Sunday, November 24, 7.13 P. M. Box 73.

No. 66 Clifton Street. Owned by William Parry. Loss, $50. Not insured. Occupied by Joseph Robillard as wood and coal shed. Loss, $25. Not insured. Cause, incendiary.

Monday, November 25, 2.40 A. M. Still.

Accidental automatic alarm from National Biscuit Company.

Monday, November 25, 1.30 P. M. Still.

No. 11 Francis Avenue. Owned by Charles B. Davenport as dwelling. No loss. Cause, chimney fire.

Monday, November 25, 11.56 P. M. Box 215. False alarm.

Tuesday, November 26, 12.02 A. M. Box 14. False alarm.

Tuesday, November 26, 12.37 P. M. Box 361.

No. 837 Massachusetts Avenue. Owned and occupied by J. S. Lockhart as dwelling. Loss, trifling. Cause, washing varnish from floor. Blitz varnish remover ignited.

Wednesday, November 27, 1.31 A. M. Box 341.

No. 30 Market Street. Owned by Emma Mickolarvsky. Loss, trifling. Occupied by Hyalmer Erickson as dwelling. Loss, trifling. Cause, unknown. Fire on shelf in closet.

Thursday, November 28, 11.30 P. M. Still.

B. & M. R. R. yard. Cause, carload of cinders afire.

Friday, November 29, 1.45 A. M. Still.

Bridge Street. Proctor's Wharf. Cause, floor around portable engine afire. No damage.

Friday, November 29, 10.06 P. M. Box 59.

No. 1426 Massachusetts Avenue. Owned by George F. Cutter as awning. Loss, trifling. Cause, unknown.

REPORT OF THE INSPECTOR OF ANIMALS.

To the Honorable, the City Council:—

GENTLEMEN:—In compliance with the City ordinance, I have the honor to present my annual report as Inspector of Animals and Veterinarian, ending Nov. 30, 1907.

Appropriation		$900 00
Salary	$700 00	
A. Cunningham Co.	62 64	
W. A. Claflin	53 30	
J. F. Doherty	1 25	
F. A. Aberle	2 00	
F. E. Carmen	10 00	
W. A. Claflin	57 05	
Balance on hand	13 76	
		900 00

An inspection of the cows has been made and, as far as a physical examination is able to determine, they are in a healthy condition.

There have been destroyed 44 horses with glanders. The stables have been fumigated by the Cattle Bureau. There have been two (2) cases of rabies among dogs, both of which came from out of town. Horses quarantined on suspicion of glanders and not killed, 10; dogs under suspicion of rabies, 6. For the care of sick and lame horses, I have made 611 visits; examination for soundness with the idea of purchase, 24.

The horses in the various departments are in a healthy condition and have been free from any serious epidemic during the year.

Thanking His Honor the Mayor and members of the City Council, I am,

Very respectfully,

CHARLES E. HADCOCK, M. D. V.,

Inspector of Animals.

CITY CLERK'S REPORT OF FEES AND LICENSES.

OFFICE OF THE CITY CLERK, December 2, 1907.

To the Honorable, the City Council of the City of Cambridge:—

The undersigned herewith presents an account of the sums received for fees and licenses during the year ending November 30, 1907.

Auctioneers' Licenses	$38 00
Pool, Bowling Alley and Billiard Licenses	96 00
Wagon, Carriage and Drivers' Licenses	380 00
Intelligence Office Licenses	54 00
Junk Store and Collectors' Licenses	1,016 00
Peddlers' Licenses	138 50
Recording Mortgages, Assignments, etc.	501 00
Marriage Certificates	646 00
Certified Copies from Records	153 00
Dog Licenses	473 80
Fireworks Licenses	80 00
Liquor Licenses	58 00
Pawnbrokers and Small Loans	145 00
Sundries	44 45
Total	$3,823 75

The foregoing amount has been paid into the City Treasury. The receipts from Dog Licenses have been $6,153.00. Of this amount, the City Clerk's fee (20 cents for each license issued), amounting to the sum of $473.80, is included in the above list of fees, and the balance, amounting to $5,679.20, has been paid to the County Treasurer.

Respectfully submitted,

EDWARD J. BRANDON,

City Clerk.

REPORT OF THE CAMBRIDGE WATER BOARD.

December 20, 1907.

To the Honorable, the City Council of the City of Cambridge:—

The forty-third annual report of the Cambridge Water Board for the year ending November 30, 1907, is herewith submitted for your consideration.

The reports of the Superintendent of Water Works, Water Registrar and Commissioners of the Sinking Fund of the City give in detail the operations and financial condition of the water works. A brief financial statement in this report may be of use to those who do not care for detail or who wish to find quickly the cost and debt of the water works.

FINANCIAL STATEMENT.

Total cost of the Water Works to Nov. 30, 1906	$6,342,200 46
Expended during the past year on Construction Account	84,181 41
Total cost to Nov. 30, 1907	$6,426,381 87

WATER BOND ACCOUNT.

Whole amount of bonds outstanding	$3,820,600 00
Deducting from this amount the value of the Water Debt Sinking Fund	1,582,727 18
Leaving as net water debt on Nov. 30, 1907	$2,237,872 82

During the past year, $12,500 of 3½ per cent. Water Bonds and $112,000 of 4 per cent. Water Bonds matured and were paid. Bonds were issued this year on June 1 to amount of $49,000 and on July 1 to the amount of $25,000, both issues for 30 years at 4 per cent. The total amount of Water Bonds outstanding is thus $50,500 less than at same period last year.

The sum of $7,033.72, representing the surplus receipts for the year just ended, was added to the Sinking Fund in addition to the usual payments required by ordinance.

CONSUMPTION OF WATER.

The total consumption of water for year ending December 1, 1907, was	4,038,875,720	gallons
The total consumption of water for year ending December 1, 1906, was	3,386,180,600	"
Increase over last year	652,695,120	"
Average daily consumption in 1907	11,065,413	"
" " " " 1906	9,277,207	"
" " increase	1,788,206	"

The increase shown above is greater than any year since the establishment of the Water Works and is approached only in the year 1898, when the consumption increased 350,980,914 gallons and the daily average consumption increased 961,592 gallons.

An examination of the Water Rates receipts shows that this increase is to be attributed largely to the unusually dry summer and to the greater use of water by manufacturing establishments previously existing and to its use by new industries which have been located in the City during this year.

This unexpected and phenomenal increase of consumption naturally leads to the consideration of the question of the extension of the Hobbs Brook conduit and the more rapid installation of meters.

EXTENSION OF HOBBS BROOK CONDUIT.

There now exists authority to issue bonds to the amount of $73,500, this being the balance unissued of the amount granted by the Legislature for the extension and protection of the water supply of the City of Cambridge. The Board strongly recommends that a petition be sent at once to the Legislature asking for authority to issue bonds to amount of $500,000, so that bonds may be available when in the opinion of the Board and the City Council the time arrives to extend Hobbs Brook Conduit from its present termination at the corner of River and Newton Streets in Waltham to the Reservoir in Waltham. By extending the conduit through to the Reservoir, the City will not only have more water available, but will have two totally independent supplies: one from Hobbs Brook Reservoir to Fresh Pond, and the other from Stony Brook Reservoir to the same place. In case of accident to either pipe line, the water could be shut off and a supply sufficient for the City during the repairs could be drawn from the other.

The construction of the conduit will cost in the neighborhood of

$300,000, and in view of figures regarding consumption already given, the Board believes that the matter deserves immediate consideration.

STONY BROOK CONDUIT.

An order passed the Board this year and was respectfully submitted to the City Council asking for an appropriation of $15,000 for the purpose of relocating a portion of the 30-inch iron pipe line in Waltham in order to abolish a summit now existing. The Board strongly urges the passage of this order at an early day, so that contract for pipe may be placed and work on proposed change started as soon as the season permits.

METERS.

Four hundred thirty-eight meters have been set this year. The Board now has on file one hundred fifty-five applications for meters and it believes that appropriations should be made by the City Council sufficient to meet such applications as soon as filed at water office.

In addition, the Board believes that meters should be applied at once to places where waste of water is apparent, or where such use of the water is made as renders it difficult to establish a rate under the schedule.

The Board believes that money appropriated and used for installation of meters is money well spent as a means of keeping in check a wasteful increase in consumption.

HOBBS BROOK CONDUIT.

The unsettled cases for land taken in connection with the construction of Hobbs Brook Conduit are as follows:—

In Watertown, from the junction of Mount Auburn and Belmont Streets to the Waltham line, there are twenty-one unsettled cases, the amount of land taken being 91,338 square feet.

In Waltham there has been but one taking, as the conduit was laid the greater distance through public streets. This case is unsettled and the amount of land taken being 28,910 square feet.

In addition to land taken, there are a number of small unsettled claims for personal damages.

The Board trusts that appropriations will be made sufficient to meet these cases when agreements between the owners and the Board are reached.

The Board has settled the claims of the Town of Watertown

and City of Waltham for restoring and resurfacing streets through which the conduit was laid.

An automobile runabout has been purchased for the use of the Superintendent, the Board believing an automobile essential to the proper supervision of a department extending from Ward one in Cambridge to Hobbs Brook Basin in Lexington, Lincoln and Waltham.

FRESH POND PARK.

During the year a drinking fountain has been installed and a sanitary of pleasing design erected at the entrance to Kingsley Park. The Board trusts that these improvements will be appreciated by those frequenting the park. Besides the appropriation for ordinary maintenance, the Board recommends that funds be granted for taking care of such banks about the pond as show a gravel face. This can be done at a small cost by planting shrubs or by use of turf.

ALVIN F. SORTWELL,
JOHN F. O'BRIEN,
ANDREW J. RADY,
AUGUSTUS W. DUDLEY,
GEORGE H. HOWARD,

Cambridge Water Board.

REPORT OF THE WATER REGISTER.

WATER REGISTER'S OFFICE,

CAMBRIDGE, December 1, 1907.

To the Cambridge Water Board:—

In compliance with the requirements of the City Ordinance I present the forty-third annual report of the operations of this Department, showing the receipts, expenditures and abatements, together with a statement of the number of water takers, etc., for the year ending November 30, 1907.

Amaunt of bills remaining unpaid November 30, 1906:—

Water rates	$7,895 06
Supplies and repairs	1,245 52
Off and on	153 00
Seals	2 00
Maintenance account	1,750 15
Construction account	546 77

Amount of bills placed in hands of City Treasurer for collection from November 30, 1906, to November 30, 1907:—

Water rates	$377,946 43	
Supplies and repairs	5,250 18	
Off and on	609 00	
Rents	122 00	
Seals	78 25	
Maintenance account	862 68	
Construction account	1,006 75	
Total bills		$397,467 79

There has been collected:—

Water rates	$377,213 72
Supplies and repairs	4,779 36
Off and on	577 00
Rents	122 00
Seals	72 00
Maintenance account	874 67
Construction account	906 21

There has been abated:—

Water rates, off and on, and seals, supplies and repairs, and construction account	3,198 35

There remains uncollected:—

Water rates	5,585 99	
Supplies and repairs	1,579 52	
Off and on	168 00	
Seals	7 50	
Maintenance account	1,736 16	
Construction account	647 31	
		397,467 79

EXPENDITURES.

Construction account	$84,181 41	
Maintenance account	75,764 72	
		159,946 13

ABATEMENTS.

Water rates, and supply and repair bills to the amount of	3,198 35

REFUNDS.

Water rates to the amount of	$4,062 37	
Which amount deducted from receipts	377,213 72	
Leaves net receipts for water	$373,151 35	
Add off and on, fines, rents, seals and Maintenance account	6,425 03	
Makes net receipts of rates, fines, etc.		379,576 38

OFF AND ON.

Water has been shut off for non-payment of rates, or per order on account of vacancy, and seals have been applied to fixtures by request of owners, as follows:—

Water shut off in 1907	620
Supplies let on, shut off in 1907	468
Supplies let on, shut off in previous years	170
New supplies let on	112
Seal locks applied to fixtures in 1907	310
Seal locks removed, put on in 1907	290
Seal locks removed, put on in previous years	172

Statement of yearly revenue received from water rates since the purchase of the works by the City:—

From April 28, 1865, to December 1, 1865	$32,367 19
From December 1, 1865, to December 1, 1866	40,073 27
From December 1, 1866, to December 1, 1867	53,733 62
From December 1 1867, to December 1, 1868	63,747 42
From December 1, 1868, to December 1, 1869	76,149 30
From December 1, 1869, to Deecmber 1, 1870	92,605 95
From December 1, 1870, to December 1, 1871	111,782 65
From December 1, 1871, to Decenber 1, 1872	127,201 30
From December 1, 1872, to December 1, 1873	146,117 32
From December 1, 1873, to December 1, 1874	153,634 27

From December 1, 1874, to December 1, 1875	138,880 37
From December 1, 1875, to December 1, 1876	179,166 76
From December 1, 1876, to December 1, 1877	154,843 59
From December 1, 1877, to December 1, 1878	157,443 91
From December 1, 1878, to December 1, 1879	164,681 90
From December 1, 1879, to December 1, 1880	173,325 49
From December 1, 1880, to December 1, 1881	170,062 73
From December 1, 1881, to December 1, 1882	177,430 80
From December 1, 1882, to December 1, 1883	179,361 89
From December 1, 1883, to December 1, 1884	161,526 27
From December 1, 1884, to December 1, 1885	185,544 36
From December 1, 1885, to December 1, 1886	199,404 43
From December 1, 1886, to December 1, 1887	204,748 64
From December 1, 1887, to December 1, 1888	211,156 27
From December 1, 1888, to December 1, 1889	221,124 70
From December 1, 1889, to December 1, 1890	231,116 32
From December 1, 1890, to December 1, 1891	227,054 53
From December 1, 1891, to December 1, 1892	237,527 08
From December 1, 1892, to December 1, 1893	242,219 78
From December 1, 1893, to December 1, 1894	250,032 71
From December 1, 1894, to December 1, 1895	268,813 62
From December 1, 1895, to December 1, 1896	281,030 00
From December 1, 1896, to December 1, 1897	291,457 62
From December 1, 1897, to December 1, 1898	297,129 78
From December 1, 1898, to December 1, 1899	302,569 00
From December 1, 1899, to December 1, 1900	319,479 37
From December 1, 1900, to December 1, 1901	320,468 01
From December 1, 1901, to December 1, 1902	323,000 53
From December 1, 1902, to December 1, 1903	333,777 34
From December 1, 1903, to December 1, 1904	339,109 27
From December 1, 1904, to December 1, 1905	343,916 00
From December 1, 1905, to December 1, 1906	355,768 47
From December 1, 1906, to December 1, 1907	373,151 35

Comparative Statement.

	1906.		1907.	
Construction Account. (Hobbs Brook Conduit.)				
Received.				
From sale of bonds	$280,000 00		$50,000 00	
From premium on bonds issued	18,927 70	$298,927 70	247 50	$50,247 50
Expended.				
Construction of concrete conduit	$297,275 72		$37,258 09	
Land settlements, etc	1,651 98		12,989 41	
Balance to credit of account		298,927 70		50,247 50
Construction Account. (Hobbs Brook Reservoir General)				
Received.		$75 00	No Appropriation.	
Expended.				
Balance to credit of account		75 00		
Construction Account. (General.)				
Received.				
From sale of bonds	$19,600 00		$19,000 00	
Sale of old material, etc	3,627 24	$23,227 24	906 21	$19,906 21
Expended.				
Sundry bills and pay rolls	$19,599 81		$17,286 84	
Balance to credit of account	3,627 43	$23,227 24	2,619 37	19,906 21
Construction Account. (Broad Canal Conduits.)				
Received.				
From sale of bonds		$23,000 00		$23,000 00
Expended,				
Sundry bills	$190 46		$22,801 86	
Balance to credit of account	22,809 54	23,000 00	198 14	23,000 00
Construction Account. (Meters.)				
Received.				
From sale of bonds		$395 00		$6,000 00
Expended.				
Sundry bills	$394 77		$5,834 62	
Balance to credit of account	23	395 00	165 38	6,000 00
Construction Account. (Hobbs Brook Land Settlements.)				
Received.				
From sale of bonds		$5,000 00	No Appropriation.	
Expended.				
Balance to credit of account		5,000 00		
Construction Account. (Services of City Solicitor.)				
Received.				
From sale of bonds		$1,000 00		$1,000 00
Expended.				
Services of City Solicitor	$1,000 00	1,000 00	$1,000 00	1,000 00

COMPARATIVE STATEMENT.—(Continued.)

	1906.		1907.	
MAINTENANCE ACCOUNT.				
Received.				
From rates, fines, etc.	$366,440 61		$386,837 00	
Accrued interest on bonds sold	1,529 24		144 77	
		$367,969 85		$386,981 77
Expended.				
Care and repairs	24,999 47		30,059 45	
Salaries	10,801 67		11,332 90	
Work at Fresh Pond	9,110 92		6,731 64	
Work at Fresh Pond, grading	1,928 02			
Fresh Pond, sanitaries, etc.			687 39	
Fresh Pond, sanitaries, etc., unexpended, balance reappropriated			2,312 61	
Hobbs Brook Reservoir	1,484 13		1,448 83	
Payson Park Reservoir	849 30		803 75	
Stony Brook Reservoir	2,392 88		2,346 14	
Pumping, salaries and other expenses	19,867 37		20,076 86	
Ice for drinking fountains	649 55		777 76	
Services of City Treasurer	1,500 00		1,500 00	
Refunds	1,511 72		4,062 37	
Abatements	3,198 65		3,198 35	
Sinking Fund	123,247 50		125,110 00	
Interest on water debt	143,827 75		150,165 25	
Serial bond paid	12,500 00		12,500 00	
Excess of receipts	10,100 92		7,033 72	
Unpaid interest reappropriated			6,834 75	
		$367,969 85		$386,981 77
The excess of receipts as shown above have been disposed of as follows, viz.:				
In payment of deficit of last year	$6,476 93			
Carried to Sinking Fund	3,623 99			
		$10,100 92		$7,033 72

In addition to the manufactories, business blocks, houses, etc., supplied through meters, water is supplied to 16,822 families, 510 stables, 1,500 horses, 80 cows, 161 shops, 374 offices and stores by the following fixtures:—

19,290 faucets	3 hopper closets
7,164 basins	33 urinals
10,402 wash tubs	4 yard hydrants
6,668 bath tubs	13 tumbler washers
132 slop closets	1,453 hand hose
17,163 water closets	5 motors

Also,

1,052 fire hydrants (besides those on private premises).
72 street watering standpipes.
28 drinking fountains in public squares.
5 public sanitaries.

The above schedule of fixtures does not include those in school-

houses, engine houses, police stations and other City buildings, or where the use of water is covered by meter.

The usual house-to-house inspection has been made.

Respectfully submitted,

WALTER H. HARDING,

Registrar.

ANNUAL STATEMENT OF THE WATER REGISTER TO THE COMMITTEE ON ACCOUNTS, DECEMBER 1, 1907.

Uncollected November 30, 1906:—			
Water rates	$7,895 06		
Supplies and repairs	1,245 52		
Off and on	153 00		
Seals	2 00		
Maintenance account	1,750 15		
Construction account	546 77		
		$11,592 50	
Bills placed in the hands of the City Treasurer for collection from December 1, 1906, to December 1, 1907:—			
Water rates	$377,946 43		
Supplies and repairs	5,250 18		
Off and on	609 00		
Rents	122 00		
Seals	78 25		
Maintenance account	862 68		
Construction account	1,006 75		
		385,875 29	
Total bills			$397,467 79
There has been collected:—			
Water rates	$377,213 72		
Supplies and repairs	4,779 36		
Off and on	577 00		
Rents	122 00		
Seals	72 00		
Maintenance account	874 67		
Construction account	906 21		
		$384,544 96	
There has been abated:—			
Water rates, off and on, and seals, supplies and repairs, and Construction account		3,198 35	
There remains uncollected:—			
Water rates	$5,585 99		
Supplies and repairs	1,579 52		
Off and on	168 00		
Seals	7 50		
Maintenance account	1,736 16		
Amounts carried forward	$9,077 17	$387,743 31	$397,467 79

Amounts brought forward . .	$9,077 17	$387,743 31	$397,467 79
Construction account . .	647 31		
		9,724 48	
Total bills for collection			$397,467 79
Less abated . .	$3,198 35		
Less refunded . . .	4,062 37		
Less unpaid . . .	9,724 48		
			16,985 20
Net receipts . .			$380,482 59

Attest:

WALTER H. HARDING,

Registrar.

CAMBRIDGE, December, 1907.

We have examined the accounts of the Water Registrar and find that they correspond in the amounts collected, abated, refunded, and uncollected with the statement submitted by the City Treasurer and verified by the City Auditor.

RUSSELL D. CRANE,
ARTHUR R. HENDERSON,
JOSEPH M. CASEY,
RICHARD F. HIGGINS,
THOMAS RYAN,

Committee on Accounts.

OFFICE OF THE CITY TREASURER,

CAMBRIDGE, MASS.

To the Cambridge Water Board:—

I give you herewith a record of the transactions between the Water Office and the City Treasurer's Office during the year ending November 30, 1907.

Gross collections for account of Water Works—Maintenance, Water Rates and Supply Accounts	$386,837 00
Gross collections for account of Water Works—Construction Account	906 21
Abatement certificates received and paid on Water Rates	3,198 35
Refund certificates received and paid on Water Rates	4,062 37
Uncollected bills in my hands, November 30, 1907, for account of Water Rates, Maintenance and Supply Accounts	9,077 27
Uncollected bills, November 30, 1907, for account of Construction	647 31

Very respectfully,

WM. W. DALLINGER,

City Treasurer.

I have examined the above statement and find same correct.

HARRY T. UPHAM,

City Auditor.

The following statement is from the report of the Commissioners of the Sinking Fund of the City of Cambridge, and shows the present condition of the Water Loan Sinking Fund:—

DR.

The amount of the fund, November 30, 1906, was	$1,507,749 85	
The amount received from the City Treasurer of Cambridge being the annual requirements for 1907, derived from the water rates . . .	125,110 00	
Surplus received from Water Department, Maintenance Accounts	7,033 62	
Interest received on investments . . .	58,249 76	
		$1,698,143 23

CR.

Paid accrued interest on investments purchased	$978 55	
Paid premiums on investments purchased .	2,437 50	
Paid City Treasurer to meet maturing bonded debt	112,000 00	
Leaving amount of fund, November 30, 1907 .	1,582,727 18	
		$1,698,143 23

The bonded Water Debt matures as follows:—

May 1, 1908	3 1-2s	$12,500 00
July 1, 1908	4s	46,000 00
Aug. 1, 1908	4s	25,000 00
May 1, 1909	3 1-2s	12,500 00
July 1, 1909	4s	20,000 00
May 1, 1910	3 1-2s	12,500 00
May 2, 1910	4s	288,000 00
July 1, 1910	4s	75,000 00
Sept. 1, 1910	4s	125,000 00
Jan. 1, 1911	4s	20,000 00
May 1, 1911	3 1-2s	12,500 00
Oct. 1, 1911	4s	35,000 00
Jan. 1, 1912	4s	150,000 00
May 1, 1912	4s	75,000 00
May 1, 1912	3 1-2s	12,500 00
Nov. 1, 1912	4s	45,000 00
Feb. 1, 1913	4s	100,000 00
May 1, 1913	3 1-2s	12,500 00
Aug. 1, 1913	4s	50,000 00
May 1, 1914	3 1-2s	12,500 00
April 1, 1915	4s	200,000 00
May 1, 1915	3 1-2s	12,500 00
Aug. 1, 1915	4s	200,000 00
April 1, 1916	4s	100,000 00
May 1, 1916	3 1-2s	12,500 00
July 1, 1916	4s	200,000 00
Aug. 1, 1916	4s	100,000 00
Oct. 1, 1916	4s	265,100 00
April 1, 1917	3 1-2s	200,000 00
May 1, 1917	3 1-2s	12,500 00
July 1, 1917	3 1-2s	100,000 00
Nov. 1, 1917	3 1-2s	75,000 00

Dec. 1, 1917	3 1-2s	140,000 00	
May 1, 1918	3 1-2s	12,500 00	
May 2, 1918	3 1-2s	50,000 00	
June 1, 1918	3 1-2s	60,000 00	
Nov. 1, 1918	3 1-2s	50,000 00	
May 1, 1919	3 1-2s	12,500 00	
Nov. 1, 1919	3 1-2s	23,000 00	
May 1, 1920	3 1-2s	12,500 00	
Nov. 1, 1920	3 1-2s	30,000 00	
May 1, 1921	3 1-2s	12,500 00	
July 1, 1921	3 1-2s	30,000 00	
May 1, 1922	3 1-2s	12,500 00	
July 1, 1922	3 1-2s	13,500 00	
Nov. 1, 1922	3 1-2s	5,000 00	
May 1, 1923	3 1-2s	12,500 00	
April 1, 1924	4s	300,000 00	
May 1, 1924	3 1-2s	12,500 00	
May 1, 1925	3 1-2s	12,500 00	
May 1, 1925	3 1-2s	15,000 00	
May 1, 1925	3 1-2s	26,000 00	
May 1, 1925	3 1-2s	5,000 00	
May 1, 1936	4s	280,000 00	
June 1, 1937	4s	49,000 00	
July 1, 1937	4s	25,000 00	
		————	$3,820,600 00

REPORT OF THE SUPERINTENDENT OF WATER WORKS.

CAMBRIDGE, December 1, 1907.

To the Honorable Water Board of the City of Cambridge:—

GENTLEMEN:—Complying with the City Ordinance, I herewith submit the annual report of the Superintendent for the year ending November 30, 1907:—

	Gallons
Total water consumed	4,038,875,720
Quantity of water sold by meter	1,401,812,250
Quantity of water used for constructing and sprinkling streets	87,552,250
Quantity of water used for flushing sewers	5,200,000
Quantity of water used for cleaning sanitaries	7,500,000
Quantity of water used for public buildings	64,517,660
Quantity of water used for drinking fountains	35,000,000
Quantity of water used for testing meters	52,688
Quantity of water used for fire purposes	5,000,000
Number of gallons daily for each inhabitant on the total amount consumed	110

COMPARATIVE STATEMENT OF TOTAL CONSUMPTION DURING THE PAST TEN YEARS.

Date,	Total Yearly Consumption.	Increase or Decrease.	Average Daily Consumption.	Increase or Decrease.	Gallons to each Inhabitant Daily.	Estimated Population.
1898	2,792,321,110	350,980,914 increase	7,650,195	961,592 increare	85.69	89,276
1899	2,882,570,430	90,249,320 "	7,897,453	247,258 "	87.16	90,607
1900	2,651,277,240	231,293,190 decrease	7,263,773	633,680 decrease	78.69	92,300
1901	2,785,156,440	133,879,200 increase	7,630,566	366,793 increase	80.87	92,716
1902	2,930,553,545	145,397,105 "	8,028,914	398,348 "	85.27	94,152
1903	3,160,704,360	230,150,815 "	8,659,463	630,549 "	89.56	96,685
1904	3,210,982,145	50,277,785 "	8,773,175	113,712 "	89.68	97,825
1905	3,294,159,640	83,177,495 "	9,025,095	251,920 "	92.63	97,426
1906	3,386,180,600	92,020,960 "	9,277,207	252,112 "	92.83	99,934
1907	4,038,875,720	652,695,120 "	11,065,413	1,788,206 "	110.00	99,912

Total amount of coal consumed	5,182,450 lbs.
Daily average coal consumed	14,198 "
Coal consumed per million gallons pumped	1,283 "
Highest water elevation in Fresh Pond was on September 30	17.15
Lowest water elevation in Fresh Pond was on December 14, 1906	11.55
Average height of water in Fresh Pond	14.90
Highest water elevation in Stony Brook Reservoir was on Jan. 1	81.86
Lowest water elevation in Stony Brook Reservoir was on Oct. 26	76.90
Highest water elevation in Hobbs Brook Reservoir, No. 1 Lincoln Street, was on April 15	181.50
Lowest water elevation in Hobbs Brook Reservoir, No. 1 Lincoln Street, was on September 1	179.50
Highest water elevation in Hobbs Brook Reservoir, No. 2 Winter Street, was on April 15	181.45

Lowest water elevation in Hobbs Brook Reservoir, No. 2 Winter Street, was on September 28	174.45
Total rainfall at Fresh Pond Pumping Station	36.55
Total rainfall at Stony Brook Reservoir	42.32
Total rainfall at Hobbs Brook Reservoir	39.20

TOTAL RAINFALL FOR THE PAST TEN YEARS AT FRESH POND RESERVOIR.

	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
December	4.31	2.00	1.30	1.74	7.71	4.37	2.87	1.92	3.63	4.10
January	4.75	3.85	4.40	1.55	1.97	3.19	5.00	3.47	2.46	2.46
February	3.61	3.99	7.34	.79	4.29	3.50	3.00	1.09	2.73	1.59
March	2.03	5.94	5.10	6.89	6.16	4.89	2.35	2.52	5.67	1.91
April	6.22	1.32	1.99	8.80	3.56	3.98	8.57	2.87	2.02	2.64
May	3.92	.77	5.52	6.96	1.08	.35	3.58	1.30	5.73	2.86
June	1.82	3.17	2.75	1.33	2.40	8.46	2.74	4.41	3.81	2.66
July	4.50	3.12	2.31	4.70	3.14	3.72	1.70	1.86	3.26	1.20
August	7.34	3.21	2.80	4.17	3.62	3.81	2.53	3.06	1.43	.69
September	1.78	4.63	4.40	3.74	3.36	1.72	5.87	5.97	2.31	7.92
October	7.22	3.08	3.75	2.86	4.65	4.54	1.85	1.30	2.86	2.57
November	4.92	2.20	5.23	2.67	1.37	1.70	2.83	2.91	2.80	5.95
Total	52.42	37.28	46.89	46.20	43.31	44.23	42.89	32.68	38.71	36.55

TOTAL RAINFALL FOR THE PAST TEN YEARS AT FRESH POND, STONY BROOK AND HOBBS BROOK RESERVOIRS.

Year.	Fresh Pond Reservoir.	Stony Brook Reservoir.	Hobbs Brook Reservoir.
	Inches.	Inches.	Inches.
1898	52.42	54.03	.....
1899	37.28	43.96	34.22
1900	46.89	51.34	45.89
1901	46.20	46.77	43.72
1902	43.31	44.58	42.24
1903	44.23	45.97	47.42
1904	42.89	41.18	39.95
1905	32.68	38.40	37.96
1906	38.71	39.16	39.16
1907	36.55	42.32	39.20

TOTAL RAINFALL FOR YEAR ENDING NOVEMBER 30, 1907, AT FRESH POND, STONY BROOK AND HOBBS BROOK RESERVOIRS.

	Fresh Pond Reservoir.	Stony Brook Reservoir.	Hobbs Brook Reservoir.
1906.	Inches.	Inches.	Inches.
December	4.10	4.51	4.15
1907.			
January	2.46	3.06	2.53
February	1.59	1.98	1.61
March	1.91	2.02	1.92
April	2.64	3.49	3.37
May	2.86	3.55	3.08
June	2.66	2.52	2.80
July	1.20	1.64	1.90
August	.69	1.58	1.47
September	7.92	8.36	7.67
October	2.57	3.52	3.30
November	5.95	6.09	5.40
	36.55	42.32	39.20

FRESH POND AND SURROUNDINGS.

No extensions of the grading or planting around the pond have been done this year.

The whole work has been on roads, walks, care of grass and shrubs, and the removal of weeds from the pond.

Early this season, plans for a sanitary were prepared by Messrs. Olmsted Brothers and located by them near the entrance to Kingsley Park. The building is of concrete with red tile roof, and when completed will be a much needed convenience, as well as quite an ornamental structure.

I would renew my recommendation of last year that something be done with the shrubs and trees in the nursery, as many are now too large to use to advantage.

The Gypsy and Brown Tail moths have not been as numerous as last year.

The San Jose scale has developed to quite an extent in the nursery and through some parts of the plantations and will need considerable work for its extermination.

The standing grass about the pond not needed has been sold at public auction.

The water from the new conduit has been more than sufficient to keep the pond at high water, and has been partly or wholly shut off, as occasion required.

FRESH POND RESERVOIR.

	Lowest Elevation During Month.	Highest Elevation During Month.	Monthly Rainfall.
1906.			Inches.
December 1		12.64	
December 14	11.55		4.10
1907.			
January 1	12.12		
January 23		12.90	2.46
February 6		12.91	
February 28	12.76		1.59
March 2	12.72		
March 31		13.89	1.91
April 1	13.95		
April 30		15.22	2.64
May 1	15.22		
May 29		15.95	2.86
June 1	15.93		
June 18		16.44	2.66
July 11	16.31		
July 19		16.43	1.20
August 17	16.21		
August 31		16.39	.69
September 10	16.29		
September 30		17.15	7.92
October 1		17.09	
October 11	15.64		2.57
November 11		16.61	
November 23	15.93		5.95
Total			36.55

PUMPING STATION.

The Leavitt engine has continued to pump all water used during the year. The old engines only being removed occasionally to keep them in condition for use should they be needed.

The engines and boilers are in good condition and have required only slight repairs.

A new shaking grate has been put into No. 2 boiler.

The door of the coal shed has been enlarged to meet the demands of larger cars.

The window sashes in engine and fire room windows have been glazed and painted inside and outside.

The grounds about the station are in fair condition.

The report of the Chief Engineer is appended.

FRESH POND PUMPING STATION.

	Total running time.	Daily average running time.	Total Pumpage.	Daily average Pumpage.	Total Coal consumed.	Daily average coal consumed	Rainfall.	Average height of Pond.
1906.	Hours.	Hours.	Gallons.	Gallons.	Lbs.	Lbs.	Inches.	Feet.
December.....	455.90	14.70	360,995,360	11,645,011	455,825	14,704	4.10	11.91
1907.								
January.....	468.00	15.08	376,632,520	12,149,436	486,600	15,697	2.46	12.66
February.....	451.00	16.10	363,568,040	12,948,572	459,725	16,419	1.59	12.84
March.....	443.00	14.29	355,501,960	11,467,805	487,415	15,723	1.91	13.17
April.....	394.25	13.14	316,077,960	10,535,932	439,280	14,642	2.64	14.71
May.....	416.00	13.42	335,079,800	10,809,025	437,230	14,104	2.86	15.63
June.....	403.00	13.43	324,537,840	10,817,928	403,255	13,441	2.66	16.28
July.....	425.50	13.72	338,344,600	10,914,342	417,670	13,473	1.20	16.38
August.....	417.30	13.46	333,422,320	10,755,559	417,850	13,480	.69	16.31
September.....	382.00	12.73	304,760,280	10,158,676	382,400	12,746	7.92	16.56
October.....	394.50	12.72	315,211,600	10,168,116	392,850	12,672	2.57	16.04
November.....	391.50	13.05	314,743,440	10,491,448	402,350	13,412	5.95	16.22
Total.....	.....	.....	4,038,875,720	.....	5,182,450	.....	36.55	.....
Daily average....	.....	13.81	.....	11,065,413	.....	14,198	.....	14.90

OPERATING EXPENSES AT PUMPING STATION.

Advertising	$25 25
Building repairs	191 09
Electric work and supplies	17 00
Engine and boiler repairs and supplies	356 65
Expressage	8 80
Fuel	10,349 15
Gauge dials	5 00
Hardware, tools and repairs	96 06
Inspector of boilers	5 00
Ice	20 90
Lumber	9 46
Mats	7 92
Oil, waste and packing	706 18
Painting and glazing	131 65
Telephone	63 10
Sealer of Weights and Measures	1 39
Stationery and printing	3 00
	$11,997 60
Salaries and labor	8,079 26
	$20,076 86

FORTY-INCH STEEL MAINS.

These mains remain in the same condition as reported last year, no repairs having been required.

PAYSON PARK RESERVOIR.

The fence about the reservoir has been scraped and painted where it showed signs of rusting.

The grounds have received the needed care.

The gate house is in good condition, but will need some painting the coming season.

PIPE YARD.

The buildings at the yard are in good condition, and with the exception of some repairs on the roof of the stable, no outlay on them has been called for during the year.

LEAKAGE.

Two thousand nine hundred ninety-nine (2999) leaks have been reported and stopped during the year. They were found as follows:—

One hundred eighty (180) on supplies.
One (1) on three-inch main.
Three (3) on four-inch mains.
Five (5) on six-inch mains.
Three (3) on eight-inch mains.
Six (6) on twelve-inch mains.
One (1) on twenty-inch main.
One (1) on forty-inch main at pumping station.
Three (3) on hydrants.
Sixteen (16) on six-inch gates.
One (1) on ten-inch gate.
Two thousand seven hundred seventy-eight (2778) on premises.
One (1) on sanitary.

Twenty-four (24) leaks included above were caused by electrolysis.

Of the number on premises, two thousand seven hundred sixty-eight (2768) were discovered by the inspectors while on their annual canvass of fixtures, they are classified as follows:—

One (1) on sill cock.
Seven (7) on wash trays.
Four hundred sixty-five (465) on faucets.

Two thousand one hundred eighty-one (2181) on water closets.
Sixteen (16) on tanks.
Forty-one (41) on basins.
Thirty-five (35) on baths.
Twenty (20) on pipes.
Two (2) on valves.

These leaks were repaired by the owners of the property.

One (1) leak reported on Massachusetts Avenue at Beech Street was not on the City main, but on the Metropolitan pipe line.

Total number of leaks during past six years:—

1902	2,339
1903	2,281
1904	2,114
1905	2,191
1906	2,274
1907	2,999

TABLE SHOWING INCREASE IN THE TOTAL CONSUMPTION FOR THE YEAR 1907 OVER THE YEAR 1906.

	Total Consumption 1907.	Total Consumption 1906.	Increase.
	Gallons.	Gallons.	Gallons.
1906.			
December	360,995,360	283,005,800	77,989,560
1907.			
January	376,632,520	278,059,760	98,572,760
February	363,568,040	251,824,760	111,743,280
March	355,501,960	275,136,400	80,365,560
April	316,077,960	271,626,080	44,451,880
May	335,079,800	287,364,440	47,715,360
June	324,537,840	292,419,160	32,118,680
July	338,344,600	289,279,320	49,065,280
August	333,422,320	299,101,880	34,320,440
September	304,760,280	290,508,240	14,252,040
October	315,211,600	283,739,280	31,472,320
November	314,743,440	284,115,480	30,627,960
	4,038,878,720	3,386,180,600	652,695,120

MAIN PIPE.

The general inspection of the mains was made early in the season, and the water was blown off either at hydrants or from blow-offs, according to location.

In response to many requests received from consumers for clearer water, special attention has been given to relieving the conditions.

The complaints were received principally from the parties who lived in Parks, Places or Courts, where, from the necessity of the

construction of the street, there are pipes with dead ends furnished with blow-offs. At present there seems to be no remedy for this kind of trouble, where there is not a free circulation of water.

Compared with previous years' extensions, the account for 1907 is much smaller; see pages 596 and 608 for sizes and lengths.

The old ten-inch pumping main has been connected to the forty-inch main in Huron Avenue at Standish Street.

Twelve (12) feet of the six-inch main in Bancroft Street have been removed and the blow-off relocated. This change was made when the City decided to dispose of the property where the main was located.

From School Street to Washington Street, in Clark Street, a six-inch main has been laid to replace a four-inch laid in 1884.

All the supplies have been connected to the new main.

In Concord Avenue a twelve-inch main has been laid connecting from Huron Avenue, north, to the twelve-inch laid in 1897.

The old four-inch main of 1884, which partly supplied this vicinity, has been abandoned.

In Fayerweather Street, from Reservoir Street to the location of the pumping main, about six hundred (600) feet of the four-inch pipe have been abandoned and a new six-inch main laid, supplying this location and down to Huron Avenue; one supply was renewed when the change was made.

In Broadway, on Dana Hill, the four-inch main (old high service), laid in 1884, has been abandoned and the supplies connected to the twenty-inch main.

MAIN PIPE LAID, NUMBER OF GATES AND FIRE HYDRANTS.

Location.	Iron Pipes.		Gates.	Hydrants.
	Feet.	Size.	Size.	Kind.
		inch.	inch.	
Albany St., from Erie St., east	741	12	.....	
Albany St., near Erie St., east	7	6	.....	Chapman.
Albany St., midway between Erie and Pacific Sts.	7	6	.....	Holyoke.
Albro St	48	1½	.....	
Allston St., at Brookline St	.....	.....	.....	Perkins.
Amherst St., from Wadsworth St	561	8	.....	.....
Bent St., from First St., east	221	6	.....	.....
Bent St., at First St., east	.....	.....	6	.....
Broadway, at Sixth St., west	3½	20	20	.....
Charles St., at Third St	.....	.....	.....	Perkins.
Chilton St., from Huron Ave., north	447	6	.....	.....
Chilton St., from Huron Ave., north	.....	.....	6	.....
Chilton St., 374 feet from Huron Ave	6	6	.....	Chapman.
Clark St., from School St. to Washington St	302	6	.....	.....
Clark St., from School St., north	.....	.....	6	.....
Clark St., from Washington St., south	.....	.....	6	.....
Cogswell Ave	.....	.....	.....	Flush.
Concord Ave., from Huron Ave., west	406½	12	.....	.....
Concord Ave., at Huron Ave., west	.....	.....	12	.....
Erie St., from Albany St. to Waverly St	137	12	.....	.....
Erie St., at Waverly St., east	.....	.....	12	.....
Fayerweather St., at Gurney St., north	8	.....	6	Chapman.
Fayerweather St., at Huron Ave., south	.....	.....	6	.....
Fayerweather St., f'm Huron Ave. to Reservoir St.	936	6	.....	.....
Fayerweather St., at Reservoir St., north	.....	.....	6	.....
First St., at Bent St	6	12	.....	.....
First St., Broad Canal (at conduit)	24	12	.....	.....
First St., Broad Canal (in conduit)	228½	16	.....	.....
First St., (private hydrant National Casket Co.)	60	6	.....	(Chapman.)
Follen St., at bend	.....	.....	.....	Chapman.
Franklin St., from Blanche St., west	77½	1¼	.....	.....
Huron Ave.,	49	6	.....	.....
Huron Ave	.....	.....	4	.....
Larch Rd., from Huron Ave., north	150	6	.....	.....
Larch Rd., from Huron Ave., north	.....	.....	6	.....
Main St., at Pioneer St	.....	.....	.....	Chapman.
Norfolk St., 334 feet from Broadway	.....	.....	.....	Perkins.
Norfolk St., corner Broadway	.....	.....	.....	Chapman.
Osborn St	.....	.....	.....	Chapman.
Pioneer Ave., from Pioneer St., east	65½	4	.....	.....
Pioneer Ave., at Pioneer St., east	.....	.....	4	.....
Royal Ave., from Concord Ave., south	176	6	.....	.....
Royal Ave., from Concord Ave., south	.....	.....	6	.....
Second St., from Athenaeum St. to Binney St	484	6	.....	.....
Second St., from Athenaeum St., north	.....	.....	6	.....
Second St., from Binney St., south	.....	.....	6	.....
Second St., from Munroe St., north	.....	.....	6	.....
Second St., 6 feet north from Munroe St	8	6	.....	Chapman.
Sixth St., Broad Canal (at conduit)	22	12	.....	.....
Sixth St., Broad Canal (in conduit)	193	16	.....	.....
Third St., at Broadway	2	12	12	.....
Third St., Broad Canal (in conduit)	198	66	.....	.....
Third St., at Broad Canal	21	12	.....	.....
Third St., near Broad Canal	8	6	.....	Chapman.
Thorndike St., from Portland St., east	142	6	.....	.....
Thorndike St., at Portland St	.....	.....	6	.....
Thorndike St., 92 feet from Portland St	6	6	.....	Chapman.
Tudor St., at Brookline St	.....	.....	6	.....
Tudor St., from Brookline St	236	6	.....	.....
Vine St., at Fourth St	.....	.....	.....	Chapman.
Wadsworth St., from Amherst St. to Main St	346	8	.....	.....
Wadsworth St., at Amherst St	.....	.....	8	.....
Wadsworth St., at Amherst St	7½	6	.....	Perkins.
Waverly St., from Erie St	160	12	.....	.....

SUPPLIES.

There have been fifteen thousand one hundred ninety-seven (15,197) supplies laid to date.

This year there have been one hundred thirty-five (135) supplies laid; see page 608 for number, size, etc., etc.

One hundred twenty-eight (128) were laid of galvanized wrought iron pipe, in sizes from three-quarter-inch to two-inch, and seven (7) of cast iron pipe, and are as follows:—

4-inch for Commonwealth Custom Laundry, Franklin Street.
4-inch for Imperial Chocolates Company, Hampshire Street.
4-inch for Langdell Hall, Holmes Field.
4-inch for Simplex Electrical Company, Pilgrim Street.
6-inch for E. & R. Laundry Company, Massachusetts Avenue.
6-inch for Howard M. Sawyer & Son, Thorndike Street.
6-inch for University Associates (Garage), Bow Street.

The temporary supplies laid for the Sewer Department have not been included above, as they have been removed. Also two temporary supplies for contractors, as they will be replaced by larger pipes when buildings are completed.

Three two-inch (2-in.) supplies have been laid for three new street watering standpipes; they are included above.

Two hundred fifteen (215) supplies have been renewed (see page 608); eighteen (18) of these were renewed where the changes of grades and resurfacing of streets were made by the Street Department.

Nineteen (19) service boxes have been set on old supplies. Compared with previous years, this number is very much smaller, due to the fact that there have been so many old supplies renewed during the past ten years, and at the time of renewal furnished with a sidewalk service box; the number not equipped is greatly reduced.

The general inspection of service boxes was made early in the season, and from time to time during the year as they required were changed to conform to sidewalk grades.

Following is the list of manufactories, etc., which receive fire protection from the Cambridge Water Works:—

Allen & Endicott Building Co.	Osborn Street	6-in.
American Rubber Co.	Binney Street	Two 6-in.
American Net and Twine Co.	Third Street	Two 6-in.
American Net and Twine Co.	Third Street	8-in.
American Vulcanized Fibre Co.	Tannery Street	2-in.
Barber Asphalt Paving Co.	First Street	6-in.
Bay State Metal Works	Harvard Street	6-in.

Bell Confectionery Co., J. S.	Sixth Street	6-in.
Blacker & Shepard Co.	Osborn Street	2-in.
The Blake & Knowles Steam Pump Works	Binney Street	8-in.
The Blake & Knowles Steam Pump Works	Third Street	4-in.
Blanchard Machine Co.	State Street	6-in.
Boston Book Binding Co.	Mt. Auburn Street	6-in.
Boston Book Binding Co.	Mt. Auburn Street	4-in.
Boston Elevated Railway Co.	Baldwin Street	2-in.
" " " "	Baldwin Street	4-in.
" " " "	Cambridge Street	Two 2-in.
" " " "	Pelham Street	Three 4-in.
" " " "	Massachusetts Avenue	4-in.
" " " "	Mt. Auburn Street	4-in.
" " " "	Mt. Auburn Street	2-in.
" " " "	Murray Street	4-in.
" " " "	River Street	4-in.
Boston & Maine Railroad Co.	Bridge Street	4-in.
" " " "	Bridge Street	6-in.
" " " "	East Street	6-in.
" " " "	Prison Point Street	4-in.
Boston Woven Hose & Rubber Co.	Portland Street	Two 8-in.
Cambridge Gas Light Co.	Third Street	6-in.
Cambridge Electric Light Co.	Western Avenue	6-in.
Cambridge Mutual Fire Insurance Co.	Massachusetts Avenue	2-in.
Charles River Basin Commission	Bridge Street	4-in.
Chelmsford Foundry Co.	Portland Street	2-in.
Commonwealth Custom Laundry	348 Franklin Street	4-in.
Dover Stamping & Mfg. Co.	Pleasant Street	6-in.
E. & R. Laundry Co.	Massachusetts Avenue	6-in.
Ginn & Co.	First Street	Two 6-in.
Ginn & Co.	Athenaeum Street	8-in.
Goepper Bros.	Ninth Street	1½-in.
Harvard University	Harvard Union Club, Harvard Street	4-in.
" "	Langdell Hall	4-in.
" "	Memorial Hall, Cambridge Street	4-in.
" "	Observatory, Concord Avenue	6-in.
" "	Semitic Museum, Divinity Avenue	4-in.
Hews Co., A. H.	Crescent Avenue	Two 4-in.
Holy Ghost Hospital for Incurables	Cambridge Street and Hovey Avenue	3-in.
Houghton, Mifflin & Co.	Albro and Blackstone Streets	6-in.
Houghton, Mifflin & Co.	River Street	6-in.
Imperial Chocolates Co. (The)	Hampshire Street	4-in.
Imperial Chocolates Co. (The)	Hampshire Street	6-in.
Irving & Casson	Otis Street	6-in.
" "	Thorndike Street	Two 6-in.
" "	Thorndike Street	2-in.
Ivers & Pond Piano Co.	Albany Street	4-in.
Ivers & Pond Piano Co.	Albany Street	6-in.
Keller & Co.	Thorndike Street	1-in.
Kendall & Sons, Edward	Main Street	2-in.
Lamb & Ritchie	Albany Street	6-in.
Lever Bros.	Broadway	6-in.

Lever Bros.	Broadway	8-in.
Little, Brown & Co.	Putnam Avenue	6-in.
Luke, E. H., Estate of	Main Street	2-in.
Mason & Hamlin Co.	Broadway	Two 6-in.
McLean, Isaac	Mt. Auburn Street	4-in.
McLean, Isaac	Massachusetts Avenue	4-in.
Metropolitan Storage Warehouse Co.	Massachusetts Avenue	6-in.
Middlesex County House of Correction	Second & Spring Sts.	6-in.
National Biscuit Co.	Franklin Street	4 in.
" " "	Franklin Street	6 in.
" " "	Green Street	8-in.
National Casket Co.	First Street	6-in.
National Linseed Oil Co.	Fifth Street	6-in.
North Packing and Provision Co.	Winsor Street	6-in.
O'Brien, Rev. John	Seventh Street	4-in.
Page Box Co., George G.	Hampshire Street	Two 6-in.
Petterson, Oscar G.	483 Main Street	4-in.
Pierce, Estate of Thomas, Trustees of	Broadway	6-in.
Pierce, Estate of Thomas, Trustees of	Broadway	4-in.
Pi Eta Club	Winthrop Street	2-in.
Porter, Henry S.	Kinnaird Street	4-in.
Porter, Henry S.	Kinnaird Street	6-in.
Reardon & Sons, Corp., John	Waverly Street	4-in.
Reardon, William	Portland Street	2-in.
Revere Sugar Refinery	Water Street	6-in.
Reversible Collar Co.	Putnam Avenue	6-in.
Russell, Joseph G., Estate of	Pacific Street	6-in.
Russell, Lucy J.	29 Elm Street	1½-in.
Sawyer & Son, Howard M.	Thorndike Street	4-in.
" " "	Thorndike Street	6-in.
" " "	Second Street	6-in.
Seaverns, Geo. W., Piano Action Co.	Sidney Street	8-in.
Seelye Manufacturing Co.	First Street	4-in.
Simplex Electrical Co.	Auburn Street	3-in.
" " "	Auburn Street	6-in.
" " "	Franklin Street	8-in.
" " "	Pilgrim Street	4-in.
Snow, M. Josephine	Massachusetts Avenue and Lee Street	Two 2-in.
Speare's Sons & Co., Alden	Rogers Street	4-in.
Speare's Sons & Co., Alden	Sixth Street	4-in.
Standard Oil Co.	Potter Street	6-in.
Standard Turning Works	Main Street	2-in.
Thayer & Co., Henry	Broadway	6-in.
Tower & Son, Sylvester	Broadway	4-in.
University Associates	Bow Street, garage	6-in.
" "	Linden Street	4-in.
" "	Massachusetts Avenue	6-in.
University Press	Nutting Place	6-in.
Ward, Corby Co.	Albany Street	6-in.
Warren Bros. & Co.	Potter Street	6-in.
Wetmore, Charles D.	Claverly Hall, Mt. Auburn Street	4-in.
Whittemore Bros. & Co.	Albany Street	4-in.

SUPPLIES LAID DURING THE PAST TEN YEARS.

Year.	New Supplies.	Supplies Renewed.			Total Supplies Laid.	Supplies furnished with sidewalk service boxes.
		Application and Leakage.	Attending Main Pipe Renewal, etc.	Total Supplies Renewed.		
1893.....	228	122	454	576	804	61
1899.....	308	132	208	340	648	299
1900.....	158	129	...	129	287	103
1901.....	201	136	155	291	492	129
1902.....	161	110	167	277	438	51
1903.....	123	174	163	337	460	42
1904.....	111	190	87	277	388	39
1905.....	130	176	117	293	423	177
1906.....	129	230	15	245	374	113
1907.....	135	197	18	215	350	19

DRINKING FOUNTAINS.

One ice water drinking fountain was set in June; the number of fountains in use in the City is twenty-eight (28); six (6) of which are ice water drinking fountains.

These ice water drinking fountains were supplied with ice from June 26 to October 1 at a much smaller expense than that of last year, as follows:—

	1906	1907
Cambridge Field	.....	$102 36
Cambridge Street, near Third Street	$180 95	106 88
Central Square	175 35	116 63
Harvard Square	166 69	100 81
Massachusetts Avenue at Blake Street	157 25	102 74
Massachusetts Avenue at Cedar Street	115 40	102 25
	$795 64	$631 67

This decrease was due to the reduction in the price of ice, which, in 1906, was 25 cents increased to 40 cents per 100 pounds, and in 1907 12½ cents and 15 cents per 100 pounds.

The increase in price in 1906, which was not anticipated in the appropriations of that year, necessitated our holding a balance ($146.09) from last year's for this year's account.

The foregoing statement of the fountain locations and expenses for both years on each fountain are net cost.

The average cost for supplying four fountains with ice for one hundred five (105) days, per day, in 1906, one and 62-100 dollars ($1.62), and in 1907 for supplying six fountains for ninety-seven (97) days was, per day, one and 9-100 dollars ($1.09).

At Fresh Pond from near the gate house the small drinking fountain has been moved to Kingsley Park, not far from the new sanitary.

The iron fountain in Porter's Square has been removed and the stone trough, formerly located at the junction of Massachusetts Avenue and Peabody Street, has been moved to the corner of Massachusetts Avenue and Porter Road, near Porter's Square.

At the time the new ice water drinking fountain was set in Cambridge Field the small drinking fountain located there was removed.

In Garden Street at the Common the drinking fountain was relocated to conform to the new curb location.

The fountains and troughs have been carefully watched and cleaned during the year in accordance with the Acts of 1902, and request of the Cattle Bureau of State Board of Agriculture, and the necessary repairs have been made.

STREET WATERING STANDPIPES.

There have been three (3) standpipes set during the year, as follows:—

Albany Street, corner Pacific Street.

Raymond Street.

Vassal Lane.

Seventy-two (72) are now in use in the City.

The repairs on these standpipes have been made by this department and charged to the account of street watering, Street Department.

GATES.

Twenty-eight (28) new gates have been set this year (see recapitulation table, page 608).

Twenty-one (21) have been set on extensions of main pipes, seven (7) have been set on supplies. (See table on page 608.)

All the gates have been inspected and are in first class condition.

Their locations have been marked.

BOXES.

One hundred four (104) boxes have been placed during the year.

Sixteen (16) iron and three (3) small wooden boxes have been placed on extensions of main pipes.

Five (5) wooden, one (1) Merrill and twenty-seven (27) special reinforced concrete boxes have been placed on meters.

Twenty-one (21) iron and three (3) wooden gate boxes have been placed on new supply work.

One (1) reinforced concrete, three (3) wooden, one (1) Merrill meter boxes and twenty-three (23) iron gate boxes have been placed in locations where worthless ones have been removed.

The boxes in all parts of the City have been inspected and raised or lowered where affected by frost, or as the Street Department has requested, when the grades in the streets have been changed.

HYDRANTS.

Seven (7) hydrants have been set during the year, in new locations, and ten (10) to replace hydrants that have been broken by teams, or otherwise made unfit for service. See pages 596 and 608 for list and number set during the year.

One flush hydrant has been removed from Cogswell Avenue.

Nine (9) post hydrants have been removed as follows:—

Allston Street at Brookline Street (Coffin).

Charles Street at Third Street (Perkins).

Follen Street at bend (Perkins).

Main Street at Pioneer Street (Chapman).

Norfolk Street at Broadway (Holyoke).

Norfolk Street, 334 feet from Broadway (Perkins).

Osborn Street (Chapman).

Third Street, near Broad Canal (Perkins).

Vine Street at Fourth Street (Chapman).

Six (6) hydrants have been relocated (raised or offset as conditions required), and eleven (11) hydrants have been repaired without change of location.

In Quincy Square the hydrant has been removed from the ten-inch and connected to the eight-inch (old high service).

Total number of hydrants in use at this date is one thousand fifty-two (1052), classified as follows:—

Boston	156
Chapman	589
Coffin	42
Flush	84
Holyoke	90
Perkins	91
Total	1,052

A Chapman hydrant has been set for the National Casket Company on its premises on First Street.

METERS.

The following table shows number of meters which have been set this year in locations which were not covered by meter on November 30, 1906:—

	2 inch.	1 ½ inch.	1 inch.	3-4 inch.	5-8 inch.	Total.
Crest	2	1				3
Crown	1	2				3
Empire			1			1
Hersey	2		2	9	19	32
Lambert			7			7
Nash				1		1
Thompson		1		1		2
Torrent	1					1
Trident			4	8	7	19
Union Rotary		1		1		2
Worthington	3	3	20	90	269	385
	9	8	34	110	295	456

There are forty-eight (48) meters in public buildings for which the Department receives no income.

They are placed in the buildings used by the City as schools, engine houses, stations, etc., in order to determine the amount of water used for such purposes.

	2 inch.	1 ½ inch.	1 inch.	3-4 inch.	5-8 inch.	Total.
Ball & Fitts			1			1
Crown	1	1	2	1	1	6
Hersey			7	8		15
Trident			10	1	5	16
Thompson		1				1
Union Rotary	1					1
Worthington			6	1	1	8
	2	2	26	11	7	48

Number of meters in use at this date, November 30, 1907, is thirty-three hundred thirty-nine (3339). They are set on domestic supplies, manufactories, churches, etc.

	6 inch.	4 inch.	3 inch.	2 inch.	1½ inch.	1 inch.	3-4 inch,	5-8 inch,	Total.
Crest	.....	1	.....	4	1	.....	.....	.....	6
Crown	.....	2	.....	7	5	6	15	7	42
Empire	.....	.....	.....	.....	.....	2	.....	.....	2
Gem	1	.....	.....	.....	.....	.....	.....	.....	1
Hersey	.....	1	4	22	15	110	280	744	1176
Keystone	.....	.....	.....	.....	.....	.....	.....	54	54
Lambert	.....	.....	.....	.....	.....	4	28	115	147
Nash	.....	.....	.....	.....	.....	.....	13	.....	13
Thomson	.....	.....	.....	.....	1	.....	3	2	6
Torrent	.....	.....	.....	2	.....	.....	.....	.....	2
Trident	.....	.....	5	18	21	94	244	367	749
Union Rotary	1	9	10	16	8	3	9	8	64
Worthington	.....	2	4	17	23	69	173	789	1077
	2	15	23	86	74	288	765	2086	3339

TUNNELS UNDER BROAD CANAL.

The tunnels under Broad Canal at First, Third and Sixth Streets, which were under construction at the date of the last report, have been finished, and the sixteen-inch pipe connections made, insuring the supply pipes from the larger mains on the south side of the canal to the manufacturing district from breakage, as has been the case in years past.

I would recommend that a small portable centrifugal pump, motor driven, be purchased for the purpose of pumping out of these tunnels from time to time as the case requires.

STONY BROOK.

Thirty-Inch Pipe Line.

This line has not been in use below River Street, Waltham, during the past year.

STONY BROOK.

The sewage from the De Cordova place in Lincoln has been taken care of by the construction of three large cesspools with ample drains through porous material so as to be perfectly safe for several years to come.

The cesspool on the Bowen place has been increased in size by the construction of a long drain filled with coarse gravel.

These additions make the number constructed and maintained by the department fifty-two (52), i. e., thirty-four (34) cesspools and eighteen (18) vaults.

The number of loads of material taken care of the past year by the sanitary wagon has been five hundred thirteen (513).

The floor in the gate house at the dam should be renewed as soon as possible, as the old one is in a dangerous condition.

I am sorry to report that we do not receive the co-operation in the destruction of Gypsy and Brown Tail moths that we have a right to expect from owners of adjoining property around our basins.

Table showing number of gallons by the month flowing over the waterway at Stony Brook Basin.

	Gallons.	Number of days.	Rainfall,
1906.			
December	.....	.....	4.51
1907.			
January	321,800,000	21	3.06
February	.....	.....	1.98
March	445,300,000	16	2.02
April	684,000,000	30	3.49
May	332,400,000	31	3.55
June	122,300,000	14	2.52
July	.....	.....	1.64
August	.....	.....	1.58
September	6,100,000	1	8.36
October	104,000,000	11	3.52
November	400,000,000	23	6.09
Total amounted wasted,	2,415,900,000	.....	
Total number of days in which water wasted	.....	147	
Total rainfall	.....	.....	42.32

HOBBS BROOK.

The grounds about this basin are in good condition.

The standing grass not needed has been sold.

The bushes along the roads and riprapping have been cut.

The buildings are in good condition.

About 1,000 feeet of division fence has been built this year, near the upper part of the basin.

I would recommend that the ditches through the meadows at the upper end of the basin be cleaned out the coming year.

HOBBS BROOK.								STONY BROOK.			
LINCOLN STREET. Basin No. 1				WINTER STREET Basin No. 2.							
	Lowest elevation during month.	Highest elevation during month.	Monthly Rainfall.		Lowest elevation during month.	Highest elevation during month.	REMARKS.		Lowest elevation during month.	Highest elevation during month.	Monthly Rainfall.
1906.				**1906.**				**1906.**			
Dec. 4..	180.50	.....	.....	Dec. 1..	.....	177.00		Dec. 19..	79.96	.....	
Dec. 16..	.....	180.65	4.15	Dec. 31..	176.75	.....		Dec. 26..	.....	80.83	4.51
1907.				**1907.**				**1907.**			
Jan. 1..	.....	181.30	.....	Jan. 1..	177.00	.....		Jan. 1..	.....	81.86	
Jan. 31..	180.60	.....	2.53	Jan. 31..	.....	178.80		Jan. 31..	80.42	.....	3.06
Feb. 12..	.....	180.65	.....	Feb. 1..	178.80	.....	Feb. 6. Opened gate.	Feb. 6..	80.04	.....	
Feb. 28..	180.60	.....	1.61	Feb. 15..	.....	179.05	Feb. 8. Closed gate.	Feb. 27..	.....	80.58	1.98
							Feb. 12. Opened gate.				
							Feb. 14. Closed gate.				
							Feb. 18. Opened gate.				
							Feb. 20. Closed gate.				
							Feb. 23. Opened gate.				
							Feb. 27. Closed gate.				
Mar. 1..	180.60	.....	.....	Mar. 13..	.....	180.65	Mar. 1. Opened gate.	Mar. 4..	80.04	.....	
Mar. 19..	.....	181.05	1.92	Mar. 31..	178.80	.....	Mar. 8. Closed gate.	Mar. 18..	.....	81.77	2.02
							Mar. 11. Opened gate.				
							Mar. 13. Closed gate.				
Apr. 1..	180.90	.....	.....	Apr, 1..	180.70	.....		Apr. 8..	81.17	.....	
Apr. 15..	.....	181.50	3.37	Apr. 15..	.....	181.45		Apr. 14..	.....	81.65	3.49
May 1..	.....	181.35	.....	May 1..	.....	181.35		May 12..	.....	81.42	
May 31..	181.30	.....	3.08	May 31..	181.25	.....		May 26..	81.08	.....	3.55
June 6..	.....	181.40	.....	June 6..	.....	181.35	June 22. Removed first flashboard.	June 4..	.....	81.38	
June 30..	180.95	.....	2.80	June 30..	180.80	.....	June 26. Removed second flashboard.	June 29..	79.88	.....	2.52
							June 30. Removed third flashboard.				
July 1..	.....	180.95	.....	July 1..	.....	180.75	July 5. Removed fourth flashboard.	July 17..	79.84	.....	
July 31..	180.20	.....	1.90	July 31..	178.75	.....	July 8. Removed fifth flashboard.	July 29..	.....	80.35	1.64
							July 9. Removed sixth flashboard.				
							July 15. Removed seventh flashboard.				
							July 17. Removed eighth flashboard.				
							July 20. Removed ninth flashboard.				
							July 23. Removed tenth flashboard.				
							July 25. Removed eleventh flashboard.				
							July 26. Removed twelfth flashboard.				
							July 31. Opened gate.				

HOBBS BROOK.							STONY BROOK.			
Lincoln Street. Basin No. 1				Winter Street Basin No. 2						
	Lowest elevation during month.	Highest elevation during month.	Monthly Rainfall.		Lowest elevation during month.	Highest elevation during month.	REMARKS.		Lowest elevation during month.	Highest elevation during month.	Monthly Rainfall.
1907.				**1907.**				**1907.**			
Aug. 1..	.....	180.20	.....	Aug. 1..	.....	178.70		Aug. 1..	79.96	.....	
Aug. 31..	179.50	.....	1.47	Aug. 31..	175.90	.....		Aug. 7..	.....	80.54	1.58
Sept. 1..	179.50	.....	.....	Sept. 1..	.....	175.80	Sept. 6. Closed gate.	Sept. 12..	79.91	.....	
Sept. 30..	.....	180.70	7.67	Sept. 28..	174.45	.....	Sept. 10. Opened gate.	Sept. 30..	.....	81.17	8.36
							Sept. 24. Closed gate.				
							Sept. 26. Opened gate.				
							Sept. 29. Closed gate.				
Oct. 1..	.....	180.75	.....	Oct. 1..	174.70	.....	Oct. 26. Opened gate.	Oct. 1..	.....	81.33	
Oct. 28..	180.60	.....	3.30	Oct. 23..	.....	175.20		Oct. 26..	76.90	.....	3.52
Nov. 3..	180.55	.....	.....	Nov. 2..	174.70	.....	Nov. 2. Closed gate.	Nov. 1..	79.95	.....	
Nov. 26..	.....	181.05	5.40	Nov. 30..	.....	176.85		Nov. 26..	.....	81.63	6.09
			39.20	.....	.....	.....	.....	.....	.....	.....	42.32

RECAPITULATION.

NEW SUPPLIES.

	8 inch	6 inch	4 inch	3 inch	2 inch	1½ inch	1¼ inch	1 inch	¾ inch	Total
Length in feet of galvanized pipe	.....	1	12	.....	728	76	205	1718½	2517	5257½
Length in feet of cast-iron pipe..	.....	97	79	.....	.....	.....	.....	.....	.....	176
Number of new supplies.....	.....	3	4	.....	14	2	6	40	66	135
Number of stop and waste valves	.....	2	2	.....	12	2	7	38	61	124
Number of screw cocks.....	.....	.....	.....	.....	2	3	17	37	65	124
Number of sidewalk cocks.....	.....	.....	.....	.....	.....	.....	6	39	67	112
Number of service boxes.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	103
Number of gates.....	.....	3	4	.....	4	.....	.....	.....	.....	11
Number of iron gate boxes.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
Number of wooden gate boxes...	.....	.....	.....	.....	.....	.....	.....	.....	.....	3

SUPPLIES, ETC., RENEWED.

	2 inch	1½ inch	1¼ inch	1 inch	¾ inch	Total
Length in feet of galvanized pipe	177	.....	58	1622	4604½	6461½
Number of supplies renewed.....	5	.....	3	44	163	215
Number of stop and waste valves	19	1	4	19	77	120
Number of screw cocks.....	.....	1	3	11	42	57
Number of sidewalk cocks.....	.....	.....	3	19	58	80
Number of service boxes.....	.....	.....	.....	.....	.....	78
Number of iron gate boxes.....	.....	.....	.....	.....	.....	23
Number of small wooden boxes..	.....	.....	.....	.....	.....	1
Number of hydrant boxes (meter)	.....	.....	.....	.....	.....	2
Number of Merrill boxes.....	.....	.....	.....	.....	.....	1
Number of concrete boxes.....	.....	.....	.....	.....	.....	1

MAIN PIPE.

	20 inch	16 inch	12 inch	8 inch	6 inch	4 inch	1½ inch	1¼ inch	1 inch	Total
Length in feet of pipe (extension)	.....	.....	1038	907	2241	65½	48	77½	.....	4377
Length in feet of pipe (renewal).	3½	619½	481½	.....	859½	.....	.....	.....	.....	1964
Total length in feet of pipe.....	3½	619½	1519½	907	3100½	65½	48	77½	.....	6341
Number of gates.....	1	.....	3	1	14	2	.....	.....	.....	21
Number of hydrants.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
Number of iron gate boxes.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
Number of small wooden boxes..	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Number of hydrant boxes.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
Number of Merrill boxes on meters	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Number of concrete boxes on meters.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27

COMPARATIVE TRENCHING FOR THE PAST TEN YEARS.

	Extensions.	Renewals.	Supplies.	Total Feet.	Miles.
1898.....	11,045	25,397	12,186	48,628	9.21
1899.....	11,051	9,427	13,486	33,965	6.43
1900.....	9,174	412	6,848	16,434	3.11
1901.....	4,126	5,750	8,246	18,122	3.43
1902.....	4,392	5,941	6,835	17,169	3.25
1903.....	1,209	5,661	5,333	12,204	2.31
1904.....	1,411	3,763	5,736	10,911	2.06
1905.....	5,817	2,263	6,251	14,311	2.71
1906.....	7,443	1,357	4,835	13,635	2.58
1907.....	4,377	1,964	5,433	11,774	2.23

SUMMARY OF STATISTICS.

FOR THE YEAR ENDING NOVEMBER 30, 1907.

In form recommended by the New England Water Works Association.

CAMBRIDGE WATER WORKS.

CITY OF CAMBRIDGE, COUNTY OF MIDDLESEX, STATE OF MASSACHUSETTS.

GENERAL STATISTICS.

Population by census of 1900 — 91,886.

Estimated population November, 1907 — 99,912.

Date of construction — 1855.

By whom owned — City of Cambridge.

Source of supply — Hobbs Brook and Stony Brook in Lincoln, Waltham and Weston, and Fresh Pond in Cambridge.

Mode of supply — gravity from Hobbs Brook and Stony Brook to Fresh Pond, pumping from Fresh Pond to Payson Park Reservoirs, thence by gravity to consumers.

PUMPING STATISTICS.

1. Builders of pumping machinery — One Leavitt built by Groshon High Duty Pumping Engine Company; two Worthington; one Blake.

2. Description of fuel used — *a.* Kind — bituminous.
   b. Brand of coal — Orenda.
   c. Price of coal per gross ton delivered from December 1, 1906, to November 30, 1907 — 1,000 tons at $4.35 and 1,000 tons at $4.84.

3. Coal consumed for the year — 5,182,450 pounds.

4. (Pounds of wood consumed) ÷ 3 = equivalent amount of coal, 500 lbs.

5. Total equivalent coal consumed for the year for pumping purposes — 5,182,950 pounds.

6. Total pumpage for the year without allowance for slip—4,038,875,720 gallons.

7. Average static head against which pump works — 158.60 feet.

8. Average dynamic head against which pumps work — 190.38 feet.

9. Number of gallons pumped per pound of equivalent coal — 779.

10. Duty $= \frac{\text{4,038,875,720 gallons pumped} \times 8.34 \text{ (lbs)} \times 100 \times \text{dynamic head. } 190.38}{\text{Total fuel consumed, 5,182,950 pounds}} = 123,728,812$

Cost of pumping, figured on pumping station expenses, viz.: $20,076.86.

11. Per million gallons pumped — $4.97.

12. Per million gallons raised one foot (dynamic) — $.025.

FINANCIAL STATISTICS FOR 1907.

Ordinary receipts	$377,946 43
From consumers	6,922 11
Construction account	1,006 75
	$385,875 29

EXPENDITURES.

Total Maintenance:—		Operating Expenses.
General expenses	$27,505 14	$27,505 14
Supply expenses	2,554 31	
Salaries	11,332 90	11,332 90
Salaries, pumping	8,079 26	8,079 26
Pumping, general expenses	11,997 60	11,997 60
Payson Park Reservoir	803 75	803 75
Fresh Pond Reservoir, general	6,731 64	6,731 64
Fresh Pond Reservoir, sanitary	687 39	
Hobbs Brook Reservoir	1,448 83	1,448 83
Stony Brook Reservoir	2,346 14	2,346 14
Ice for fountains	777 76	
City Treasurer	1,500 00	1,500 00
Interest on bonds	150,165 25	
Sinking fund	125,110 00	
Serial bond paid	12,500 00	
Refunds and abatements	7,260 72	
	$370,800 69	$71,745 26

Construction:—

General	$17,286 84	
Broad Canal conduits	22,801 86	
Hobbs Brook conduit	37,258 09	
City Solicitor	1,000 00	
Meters	5,834 62	
		84,181 41

Cost of works to date	$6,426,381 87
Bonded debt to date	3,820,600 00
Value of sinking fund at date	1,582,727 18
Average rate of interest	3½ and 4 per cent.

STATISTICS OF CONSUMPTION OF WATER.

1. Estimated total population at date — 99,912.
2. Estimated population on lines of pipe — 99,912.
3. Estimated population supplied — 99,912.
4. Total pumping for year — 4,038,875,720 gallons.
5. Passed through meters — 1,401,812,250 gallons.
6. Percentage of consumption metered — 34 per cent.
7. Average daily consumption — 11,065,413 gallons.
8. Gallons per day to each inhabitant — 110.
9. Gallons per day to each consumer — 110.
10. Gallons per day to each tap — 728.
11. Cost of supplying water, per million gallons pumped, figrued on total maintenance operating expenses — $17.76.
12. Total cost of supplying water, per million gallons pumped figured on total maintenance+interest on bonds — $55.95.

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

MAINS.

Kind of pipe — cast iron.
Sizes — from two-inch to forty-inch.
Extended — 4,377 feet during year.
Renewed — 1,964 feet during year.
Total now in use — 129 miles.
Number of leaks per mile for year ending Nov. 30, 1907 — 20.
Length of pipes two and three inches diameter — 2 miles.
Number of hydrants added during year (public) — 7.
Number of hydrants (public) now in use — 1,052.

Number of stop gates added during year — 21.
Number of stop gates smaller than four-inch — none.
Range of pressure on mains — 55 lbs. to 60 lbs.

SERVICES.

Kind of pipe — galvanized wrought iron, cast iron, tin-lined and lead-lined pipe.
Sizes — three-fourth-inch to eight-inch.
Extended — 5,433 feet.
Number of service taps added during year:—

66 of 3-4-inch.
40 of 1-inch.
6 of 1 1-4-inch.
2 of 1 1-2-inch.
14 of 2-inch.
4 of 4-inch.
3 of 6-inch.

Total — 135.
Number now in use — 15,197.
Average length of service — 40 ft. (for the year 1907).
Average cost of service for the year — sizes from 3-4-inch to 2-inch — $19.95.
Number of meters added during year — 456.
Number now in use — 3,339.
Percentage of services metered — 22.

Respectfully submitted,

E. C. BROOKS,

Superintendent.

PUMPING STATION, CAMBRIDGE WATER WORKS,
OFFICE OF CHIEF ENGINEER.

December 12, 1907.

To the Honorable Water Board of the City of Cambridge:—

GENTLEMEN:—I would report that the Leavitt engine has pumped all of the water used by the City the past year.

The new grates in No. 1 boiler have given good satisfaction.

The Leavitt engine has run every day, with the exception of one holiday, since December 7, 1905. And as the consumption has gone beyond the capacity of the two auxiliary engines, some provision should be made so as to make repairs on the Leavitt engine when needed.

Respectfully submitted,

(Signed) WM. H. BLAISDELL,

Chief Engineer.

REPORT OF THE BOARD OF HEALTH.

To the Honorable, the City Council:—

In compliance with the Revised Laws creating Boards of Health and defining their duties, we have the honor to make our annual report for the year ending December 31, 1907.

We respectfully call the attention of your honorable body to the following list of complaints investigated and nuisances abated during the year:—

NUISANCES ABATED.

Full, overflowing and offensive privy vaults	18
Offensive and defective water-closets	104
Full and defective cesspools and catch basins	21
No traps to sinks	12
Leaky and defective traps	14
Defective drainage, open and defective drains	47
Plumbing tests made	42
Filthy yards	380
Filthy stables and cow sheds	40
Manure in yards and lots	24
Wet and damp cellars	8
Stagnant water on premises	5
Dead animals on premises	2
Dead hens on premises	2
Filthy buildings	10
Filthy cellars	100
New water-closets put in	22
Houses vacated	5
Dirty hen-coops	20
Miscellaneous	15
Total	891

Number of inspections	6,031
Number of subsequent inspections	1,997
Total	8,028

Number of notices served	135
Slop closets and sluice vaults abated	26
Offal receptacles cleaned and new ones provided	81
Vacant lots cleaned	3
Defective plumbing in whole house remedied	0
Cesspools abated	5
Number of houses placarded	738
Premises disinfected	910
Number of cellars from which hens were removed	10
Number of patients taken to Diphtheria Hospital	109
Number of patients taken to Cambridge Hospital	58

Number of patients taken to Somerville Hospital	35
Number of patients taken to Newton Hospital	1
Number of patients taken to Holy Ghost Hospital	11
Number of patients taken to Relief Hospital	1
Number of patients taken to Tewksbury	2

MEDICAL INSPECTION OF SCHOOLS.

The diseases discovered in the schools, and the number of cases are as follows:—

Chicken-pox	6
Chorea	1
Diphtheria	2
Erysipelas	1
Pediculosis	144
Phthisis	1
Scarlet fever	3
Whooping-cough	14
Diseases of ear	7
Diseases of eye	68
Diseases of skin	122
All others	353
Total	722

REPORT OF CAMBRIDGE SCHOOL NURSE, NOVEMBER 23, 1907, TO FEBRUARY 24, 1908.

After several weeks of experimental work in the schools of East Cambridge, the Board of Health, feeling it to be a public necessity, engaged one school nurse.

Said nurse works directly under the Board of Health, in conjunction with the School Inspector and in co-operation with principals and teachers.

Much time has been devoted to the personal cleanliness of pupils, with fairly good results. Cases of mal-nutrition, and there are many of them, have received attention; time only will show the fruits of the work done along this line. Many eye, ear and throat cases have been neglected owing to lack of funds, or of some one to care for them; such cases have the personal attention of the school nurse, and, thanks to the untiring interest of the members of the Associated Charities, free glasses have been furnished to needy children.

Pupils suffering from acute throat trouble or parasitic diseases are immediately excluded, to be followed to their homes by the nurse, whose duty it is to see that immediate and proper treatment is given. If advisable, the nurse gives the first treatment personally in order to demonstrate to the family the correct method of application.

The system is one of prevention, not of cure, and, as the weeks progress, it is gratifying to note the increased interest taken by parents and guardians in the physical welfare of their children.

HOME CALLS.

Defective vision	25	Septic foot	1
Double strabismus	2	Stricture	1
Conjunclivitis	8	Chorea	2
Congenital cataract	5	Spinal tuberculosis	1
Defective hearing	3	Ringworm	4
Adenoids	18	Chicken-pox	1
Tonsilitis	4	Herpes	1
Myalgia	1	Eczema of scalp	1
Anaemia	4	Scabies	18
Nasal catarrh	1	Pediculosis	17
Burns	1	Questionable diagnosis	1

Total number of calls 124

Special cases taken for treatment 38
Special exclusion cases 29
Free glasses . . . . . 10 pairs.

Respectfully submitted,

J. M. C. HUME,

School Nurse.

DIPHTHERIA HOSPITAL.

January 1, 1907, there were in hospital 9 cases remaining from the previous year. From January 1 to December 31, 1907, inclusive, there were admitted 101 patients. Of laryngeal diphtheria there were 14 cases, and 4 deaths, a fatality of 28.57 per cent. Of the ordinary form there were 87 cases and 2 deaths, a fatality of 2.29 per cent. Of both forms combined the fatality was 5.94 per cent. On December 31, 1907, there were remaining in hospital 8 cases.

The stay in hospital and the termination of these cases (bacterially diphtheria) were as follows:—

Days.	Recovered.	Died.	Total Days.	Days.	Recovered.	Died.	Total Days.
1–4	...	1	1–4	24	2	...	48
1–2	...	1	1–2	25	8	...	200
2–3	...	2	1 1–3	26	2	...	52
1 1–2	...	2	3	27	3	...	81
4	1	...	4	28	2	...	56
6	2	...	12	29	2	...	58
7	1	...	7	30	1	...	30
8	5	...	40	31	2	...	62
9	3	...	27	32	2	...	64
10	5	...	50	34	3	...	102
13	1	...	13	35	1	...	35
14	2	...	28	39	1	...	39
15	2	...	30	50	1	...	50
16	3	...	48	55	1	...	55
17	3	...	51	57	1	...	57
18	6	...	108	67	1	...	67
19	4	...	76	68	1	...	68
20	6	...	120	73	1	...	73
21	7	...	147				
22	5	...	110	Total...	95	6	2165 1-12
23	4	...	92				

There were also admitted 8 cases, all of whose cultures taken for diagnosis proved negative. Of these patients, 2 had the laryngeal form of the disease.

The stay in hospital and termination were as follows:—

Days.	Recovered.	Died.	Total Days.	Days.	Recovered.	Died.	Total Days.
1	1	1	2	11	2	...	22
4	2	...	8	14	1	...	14
7	1	...	7				
				Total...	7	1	53

There were also admitted 2 patients who proved to have scarlet fever. One was sent home after being in hospital 6 hours, and the other to the Somerville hospital after being in the diphtheria hospital 3 days.

Of the cases admitted, 3 were complicated with chicken-pox, 3 with whooping cough and one with pneumonia subsequent to measles.

Total stay in hospital of all cases was 2221 1-3 days.

Patients remaining in hospital from 1906.....	9
Admitted during 1907	110
	119
Remaining in hospital	8
Discharged during 1907	111

NOTIFIABLE DISEASE.

In September the following circular letter was sent to the physicians of Cambridge:—

September 10, 1907.

DEAR DOCTOR:—

Your attention is called to the fact that the diseases hereinafter named have been declared "dangerous to the public health" by the State Board of Health, and are, in future, to be reported pursuant to the provisions of Chap. 480, Sect. 50, Acts of 1907, which reads as follows:

SECTION 50. If a physician knows that a person whom he is called to visit is infected with smallpox, diphtheria, scarlet fever or any other disease declared by the State Board of Health to be dangerous to the public health, or if one or both eyes of an infant whom or whose mother he is called to visit become inflamed, swollen and red, and show an unnatural discharge within two weeks after the birth of such infant, he shall immediately give notice thereof in writing over his own signature to the selectmen or board of health of the town; and if he refuses or neglects to give such notice, he shall forfeit not less than fifty nor more than two hundred dollars for each offence.

Diseases declared by the State Board of Health to be "dangerous to the public health," and notifiable under the provisions of the above section:

ACTINOMYCOSIS,
ASIATIC CHOLERA,
CEREBRO-SPINAL MENINGITIS,
SMALLPOX,
TETANUS,
TRICHINOSIS,

Diphtheria,	Tuberculosis,
Glanders,	Typhoid fever,
Leprosy,	Typhus fever,
Malignant pustule,	Varicella,
Measles,	Whooping-cough,
Scarlet fever,	Yellow fever,

Respectfully,

EDWIN FARNHAM,

Medical Adviser.

Chapter 386, Section 2, of the Acts of 1907, provides:—

"No person for whose care and maintenance a city or town or the Commonwealth has incurred expense in consequence of small-pox, scarlet fever, diphtheria, tuberculosis, dog bite requiring anti-rabic treatment, or other disease dangerous to the public health, shall be deemed to be a pauper by reason of such expenditure."

The action of the last legislature in amending the law, as it did by the enactment of this section, did not in substance change the existing law in so far as those persons or health departments were concerned who had, up to that time, believed tuberculosis to be an infectious disease. The specific designation of tuberculosis as an infectious disease, however, cleared away any doubts as to the law in relation to that disease, and made plain the duties of local health departments. This action has had an important influence in the work of the Board of Health in this city during the past year.

This board, very soon after the enactment of the above law, was by reason of the action of another department of the City Government forced to assume jurisdiction immediately of all cases of tuberculosis. This action came at a time when the health department was entirely without facilities in the way of hospital accommodations, and entailed an expenditure of the City's money entirely disproportionate to the results which could be accomplished. It forced this department to renew with some insistence its request that the department be provided with a hospital or hospitals for the care of diseases dangerous to the public health. The need for such a hospital has been called to the attention of the City Government so many times, and so much has

already been done by past city governments looking toward the establishment of such an institution, that any further comment along that line would seem needless. It may not be out of place, however, to call the attention of the City Government to the fact that the state is taking up with remarkable vigor a crusade against tuberculosis and bespeaks the hearty co-operation of the various municipalities of the commonwealth, and that only with this co-operation can those results be obtained which every citizen of the commonwealth most earnestly desires.

No city council, during the twenty years that this question has been before them, has come to its work with its duties so clearly defined as the present city council. A brief survey of the conditions that surround the question as it is brought before the present city government may not be out of place. Former city governments by their action have repeatedly decided that a contagious hospital is a necessity in this city. The legislature has, upon the petition of the city, passed an enabling act whereby the City of Cambridge may raise $150,000, outside of its debt limit, for the establishment of such an institution. A location for such a hospital, as desirable as could be found in this city, has been determined upon. Probably no location in any City or town in this Commonwealth could be selected for the location of an institution of this character to which objections could not, and would not be raised; yet, after repeated hearings and the testimony of men as competent to deal with this question as could be found in this country, a previous City Government has determined that the site already chosen is a satisfactory and proper one. An order is already before your honorable body, providing for an appropriation of $20,000, which will enable this board to begin work upon the hospital desired.

An examination of the reports of the Board of Health for the last seven years shows an expenditure of over $155,000 for the care of patients ill with diseases dangerous to the public health. Of this amount, more than one-third was paid to institutions which this board has no authority over or connection with. On the contrary, the board has been compelled to ask privileges from neighboring cities having hospitals, to accept our patients requiring such attention. In one instance the amount expended by this board was two-thirds of the total appropriation made by said city for the expense of their contagious hospital. There are diseases dangerous to the public health which would not be accepted by the hospitals, and thus necessitate a quarantine of the residence and occupants, resulting in hardship financially

and socially, and providing foci for further infection and spread of the disease. If a liberal view of this subject is taken, it seems that civic pride would demand that the city be provided with facilities for the proper care of its own citizens.

CHARLES H. THOMAS, M. D.,
J. PORTER RUSSELL,
JAMES F. MULLEN.

BACTERIOLOGICAL LABORATORY,

CITY HALL, CAMBRIDGE, January 1, 1908.

To the Board of Health:—

GENTLEMEN:—The figures showing the number and sort of examinations made in the laboratory for the year 1907 are submitted below.

The total number of cases of diphtheria reported to the Board for the year was 323, of which number 269, or 83 per cent., were confirmed in diagnosis by a positive culture in this laboratory. This shows a falling off of 10 per cent. from the unusually high corresponding percentage of last year, but still compares favorably with other laboratory records. The number of diphtheria cases is 194 less than the number reported last year. There have been no epidemics of the disease, and this total number is about what must be expected in the way of diphtheria infection in the City in what might be called normal or average years. The morphology of the diphtheria bacilli has shown differences from last year similar to those observed in other laboratories. The barred forms have been unusually prevalent and the A type rather scarce.

Of 90 cases of typhoid fever reported to the Board, 21, or 23 per cent., gave a positive Widal reaction; and of 207 cases of tuberculosis of the lungs, tubercle bacilli were found in the sputa of 91 (or in 44 per cent.).

The typhoid outfits have been changed by leaving out the Glover's needles. It was difficult to keep the needles in the envelopes, and as they were rarely returned it seemed that a slight convenience to the physician was costing the laboratory more than it was worth.

In contrast with the decrease from last year in diphtheria and typhoid cases reported, is the increase in number of cases of tuberculosis of the lungs, from 177 to 207. This does not mean necessarily greater prevalence of the disease, for physicians are paying more attention to it and making earlier and more frequent diagnoses. If at the same time specimens of sputa were submitted repeatedly the early diagnosis would be confirmed more often in the laboratory.

DIPHTHERIA.

	Positive.		Negative.		Total.		Total.			Grand Total.
	Diagnosis.	Release.	Diagnosis.	Release.	Diagnosis.	Release.	Positive.	Negative.	No growth.	
January	28	63	96	53	124	116	91	149	1	241
February	36	41	46	50	82	91	77	96	1	174
March	23	43	74	54	97	97	66	128	1	195
April	27	28	66	41	93	69	55	107	.....	162
May	21	26	71	28	92	54	47	99	.....	146
June	23	18	45	33	68	51	41	78	.....	119
July	19	14	27	53	46	67	33	80	.....	113
August	7	8	19	23	26	31	15	42	.....	57
September	13	6	24	27	37	33	19	51	.....	70
October	22	33	35	77	57	110	55	112	1	168
November	21	35	46	52	67	87	56	98	.....	154
December	29	35	38	64	67	99	64	102	5	171
Total	269	350	587	555	856	905	619	1142	9	1,770

	Tuberculosis.			Typhoid.			Other Examinations.	Grand Total.
	Positive.	Negative.	Total.	Positive.	Negative	Total.		
January	9	21	30	1	9	10	1	41
February	8	38	46	0	7	7	.....	53
March	10	39	49	2	10	12	2	63
April	9	43	52	1	16	17	1	70
May	4	36	40	1	14	15	.....	55
June	8	37	45	0	16	16	.....	61
July	7	21	28	1	15	16	.....	44
August	14	23	37	3	16	19	1	57
September	7	19	26	3	33	36	.....	62
October	4	27	31	6	25	31	3	65
November	4	38	42	2	16	18	.....	60
December	7	33	40	1	7	8	1	49
Total	91 20 0 p c.	375	466	21 10.0 p.c.	184	205	9	680

Total examinations for the year, 2,450.

Respectfully submitted,

ALLAN F. BARNES, M. D.,

Bacteriologist.

CAMBRIDGE, December 31, 1907.

To the Honorable, the Board of Health:—

GENTLEMEN:—The undersigned respectfully submits his report as Inspector of Provisions, the same being for the year ending December 31st, 1907.

During the season just passed there has been a marked improvement in the conditions pertaining to the sale of groceries and provisions, and in general the provision and fruit stores are in excellent condition. Where there has been any cause for complaint, a suggestion from the inspector has immediately resulted in the removal of such cause.

The ice-cream manufactories have been closely inspected and the inspection has been made thorough by frequent visits of the inspector, and as a result I am able to report that the conditions applying to the manufacture of ice-cream have been very much improved, although in isolated cases there must be further changes in order to meet the best results.

The condition of the slaughter-houses still remains excellent, and the business at these places has increased to such an extent that the presence of the inspector has been required during four days in each week. The necessity of inspection at the slaughter-houses has taken so much of the time of the inspector that it has left only a small portion of each week for the performance of other duties.

The amount of fruit and vegetables which has been condemned during the past season has been very small, due to the fact that on account of the high prices there has been a short market, and dealers have kept smaller quantities in stock than heretofore. The quality of the stock has been much better and therefore the necessity for condemnation has been lessened.

SLAUGHTER HOUSES — ANIMALS KILLED.

Cows	5
Calves	21,391
Sheep	18
Hogs	81

ANIMALS CONDEMNED.

	No.	Lbs.
Cows	2	879
Calves	1,461	29,220
Hogs	5	684
Sheep	1	31

Of the cows which were condemned, one was found to be tubercular and the other was afflicted with septicaemia. The sheep was rejected because of pleuro-pneumonia. Two of the hogs were condemned because of trichinosis and three for tuberculosis. Many of the calves which were condemned were immature and arrived at the slaughter-houses in a weak condition.

The inspection of the stores and the goods sold therein, resulted in the condemnation of the following supplies, to wit:—

MEATS.

Beef	1,175 pounds.
Veal	93 "
Game and poultry	1,267 "
Also four beef livers.	

FISH.

Haddock, Cod and Salmon	3,500 pounds.
Lobsters	25 "

FRUIT.

Strawberries	4 crates.
Blackberries	1½ "

There was also condemned from the mill of Finstein Brothers, at 210 Otis street, ten barrels and thirty-one bags of buck-wheat flour, the same aggregating about 92 bushels.

The following recommendations are suggested for the consideration of the Board:—

1st. A regulation to prevent the exposing for sale of dates, figs, and candy in such a way as to cause these articles to be exposed to the accumulation of dust and dirt from the street or otherwise.

2nd. A regulation to prevent the owners of stores from buying newspapers from junk collectors and others, for the purpose of wrapping food articles therein.

3rd. A regulation to prevent tubs and barrels, in which have been transmitted for sale, oysters, clams and shell-fish, from being used by dealers for the collection of garbage, and from use thereafter for the original purpose.

Respectfully submitted,

JOSEPH L. JOHNSON,

Inspector of Provisions.

OFFICE OF THE BOARD OF HEALTH,
CAMBRIDGE, December 31, 1907.

To the Board of Health of the City of Cambridge:—

The undersigned Clerk to the Board of Health submits a statement of the expenditures of the Health Department for the financial year ending November 30, 1907.

GENERAL EXPENSES.

Appropriation made by the City Council	$7,000 00	
Additional appropriations	11,706 33	
		$18,706 33

AMOUNT EXPENDED.

Paid Cambridge Hospital for care of 41 cases of scarlet fever, 6 of typhoid fever, and 12 of cerebro-spinal meningitis	$5,009 08	
Paid City of Somerville for care of 54 scarlet fever cases	5,147 51	
Paid City of Newton for care of 4 scarlet fever cases	525 72	
Paid City of Everett for care of small-pox cases in 1901 and 1902	550 00	
Reimbursed other cities and town	1,653 32	
Reimbursed Commonwealth of Massachusetts for 2 tuberculosis cases	4 80	
Paid J. E. Kinsella for care of 1 tuberculosis case	40 71	
Paid Massachusetts State Sanatorium for care of 1 tuberculosis case	9 71	
Paid Millet Sanatorium for care of 5 tuberculosis cases	460 00	
Paid the Association for Relief and Control of Tuberculosis for care of 1 tuberculosis case	15 00	
Paid Millet Sanatorium for care of 5 tuberculosis cases	93 25	
Paid for car tickets to Tewksbury	17 25	
Paid Cambridge Relief Hospital for 1 whooping cough case	17 15	
Advertising	7 25	
Ambulance repairs and maintenance	33 39	
Bacteriological supplies	192 56	
Burial of animals	147 25	
Car tickets	500 00	
Certified copies of deeds (2)	2 92	
Chemicals, fumigators and maintenance	377 65	
Cambridge Directory	4 00	
Boston Directory	6 00	
Express	11 29	
Horse and carriage hire	313 41	
Keep of horse, clipping, storage of vehicles, wagon, and harness repairs and maintenance	497 26	
Amounts carried forward	$15,636 48	$18,706 33

Amounts brought forward	$15,636 48	$18,706 33
Legal services	105 01	
Printing and postage	287 54	
Public sanitaries	33 60	
Stationery and office supplies	99 39	
Telephones	196 29	
Typewriter repairs	3 00	
Paid to Dr. Brough for consultation services on 2 suspected small-pox cases	50 00	
Massachusetts Year Book	2 00	
Paid Edward P. Harkins for services on milk investigation during scarlet fever epidemic .	24 50	
Paid J. Litchfield for services as inspector .	3 00	
Paid for photographic work on court case . .	10 00	
Paid to Albert De Cost for removing material from 210 Otis street	8 00	
Paid to extra school inspectors during scarlet fever epidemic	124 92	
Paid to Miss Wyeth for services rendered .	9 00	
Paid to Cambridge Park Department for removing nests of brown-tail moths from New street .	2 29	
Paid to Horace D. Litchfield for Concord wagon	150 00	
Paid to Welch & Hall Co. for 1 gray mare . .	136 88	
Paid Horace D. Litchfield for coffin and transfer of body of Constantine Nicholas . . .	15 00	
Paid Cambridge Cemetery for interment of same	5 00	
Paid Albert P. Norris for cash paid for oil as per voucher	1 00	
Paid Paine Furniture Company for desk and chair	53 50	
Ice	19 20	
		$16,975 60
Balance of appropriation		$1,073 73

SALARIES.

Appropriation made by Common Council	$12,930 00

AMOUNT EXPENDED.

Salary of Physician to the Board . . .	$1,500 00	
" " Medical Inspector	1,500 00	
" " Clerk	1,200 00	
" " Secretary	800 00	
" " Bacteriologist	1,080 00	
" " Sanitary Inspectors (3) . . .	2,928 93	
" " School Inspectors (11) . . .	1,700 00	
" " Plumber	1,000 00	
" " Inspector of Provisions . . .	1,200 00	
" " School Nurse	27 11	
		12,908 93
Balance of appropriation		$273 96

DIPHTHERIA HOSPITAL.

59 Reservoir Street.

Appropriation by the City Council . .	$8,000 00	
Additional appropriation	522 88	
		$8,522 88

AMOUNT EXPENDED.

Salary of Physician . .	$1,200 00	
" " Matron . . .	720 00	
" " Nurses . . .	1,920 00	
" " House-man . .	730 00	
" " Cook . . .	312 86	
" " Laundress . .	312 86	
" " House-servant . .	260 72	
		$5,456 44
Medical and Surgical Supplies	$211 55	
Coal and Wood . . .	249 18	
Milk	218 70	
Ice	71 74	
Groceries and Provisions .	1,682 66	
Gas	66 33	
Telephones	45 35	
Garden Supplies . . .	10 00	
Repairs and Materials . .	40 16	
Express	1 15	
Furnishings	468 73	
		$3,065 55
		$8,521 99
Balance of Appropriation		$0 89

Respectfully submitted,

JAMES B. SOPER,

Clerk to the Board of Health.

VITAL STATISTICS.

Death Rate per 1,000 Living from All Causes.
Estimated Population, 99,745.

1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
17.65	17.25	16.87	17.01	15.51	15.77	15.02	15.56	15.86	15.36

Male death rate for 1907, 15.62.

Female death rate for 1907, 15.12.

The mean annual death rate for the ten years, 1898 to 1907 inclusive, is 16.18.

The estimate of population is that furnished by the State Board of Health.

In calculating death rates, the deaths of non-residents occurring in the City are excluded, and the deaths of residents, wherever they occurred, are included.

The death rate for the year just passed is usually a little below the correct rate, as the returns of the deaths of some residents which occurred at a distance from home may not be received till after the report has been made up. This error is corrected in the next annual report.

In the division of the City the districts correspond to the old five wards, and the present division into eleven wards is given in the next column.

SCARLET FEVER.

CASES REPORTED.

District	Ward	January	February	March	April	May	June	July	August	September	October	November	December	Total	Total
	8	19	3	1	1	.....	3	1	1	.....	1	.....	.....	30	
1.....	9	23	12	3	1	1	1	.....	1	.....	.....	1	1	44	74
	3	23	9	1	5	2	.....	1	2	.....	1	.....	1	45	
2.....	4	10	4	3	2	3	2	1	.....	.....	1	....	1	27	
	5	7	3	3	1	6	.....	2	1	.....	.....	.....	2	25	97
	1	4	3	1	2	.....	1	.....	1	7	2	1	4	26	
3.....	2	10	3	.....	.....	1	.....	.....	.....	1	.....	2	.....	17	43
	6	9	4	2	5	4	.....	4	5	2	3	3	1	42	
4.....	7	23	9	1	4	4	2	1	.....	1	4	1	.....	50	92
	10	29	5	3	3	2	.....	.....	.....	.....	.....	.....	3	45	
5.....	11	29	7	5	2	12	2	3	3	....	.....	.....	.....	63	108
		186	62	23	26	35	11	13	14	11	12	8	13	....	414

The reported cases of Scarlet Fever show an increase of 248 cases over those reported in 1906.

District 1 shows an increase of 33 cases.
District 2 shows an increase of 71 cases.
District 3 shows an increase of 15 cases.
District 4 shows an increase of 55 cases.
District 5 shows an increase of 74 cases.

The outbreak which occurred in the early part of the year appears to have been due to contaminated milk.

Cases Reported Weekly.

Jan.	5	5		July	6	8	
"	12	120		"	13	1	
"	19	28		"	20	2	
"	26	22		"	27	2	
Feb.	2	15		Aug.	3	2	
"	9	26		"	10	4	
"	16	17		"	17	2	
"	23	10		"	24	2	
Mar.	2	10		"	31	4	
"	9	8		Sept.	7	3	
"	16	5		"	14	2	
"	23	4		"	21	1	
"	30	2		"	28	5	
April	6	7		Oct.	5	1	
"	13	6		"	12	4	
"	20	8		"	19	1	
"	27	5		"	26	4	
May	4	3		Nov.	2	3	
"	11	6		"	9	1	
"	18	9		"	16	2	
"	25	12		"	23	3	
June	1	5		"	30	1	
"	8	2		Dec.	7	1	
"	15	3		"	14	1	
"	22	2		"	21	3	
"	29	4		"	28	3	

Age and Sex Distribution of 397 Cases.

Age.	Males.	Females.	Persons.
Under 1 year	1	1	2
1- 2 years	4	7	11
2- 3 "	9	10	19
3- 4 "	16	25	41
4- 5 "	15	21	36
5-10 "	64	89	153
10-15 "	25	38	63
15-20 "	12	14	26
20-30 "	11	17	28
30-40 "	5	10	15
40-50 "	1	2	3
	163	234	397

Death Rate per 1,000 *Living.*

1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
0.06	0.08	0.09	0.08	0 09	0 10	0.03	0.04	0.06	0.10

Morbidity, or Sick Rate, per 1,000 *Living.*

1.38	1.75	1.91	1.08	2.11	1.97	1 40	1.53	1.68	4.15

Fatality, or Case Death Rate, Percentage.

4.91	5 06	5.11	7.92	4.52	5.31	2.22	2.66	3.62	2.41

For the ten years recorded above the mean annual death rate was 0.07; the mean annual morbidity, 1.89; the mean annual fatality, 4.37.

DIPHTHERIA.

CASES REPORTED.

District	Ward	January	February	March	April	May	June	July	August	September	October	November	December	Total	Total
	8	7	4	3	1	2	.....	2	3	4	2	1	3	32	
1.....	9	1	2	2	.....	3	1	2	1	3	7	2	3	27	59
	3	3	5	6	5	1	1	3	1	1	2	.....	3	31	
	4	3	3	1	7	1	1	.....	.....	2	1	4	1	24	
2.....	5	4	2	2	1	3	1	1	1	1	2	1	1	20	75
	1	1	.....	1	1	1	.....	2	.....	3	5	2	1	17	
3.....	2	1	3	1	2	1	7	6	.....	4	3	2	2	32	49
	6	1	2	7	2	4	2	4	1	3	2	3	2	33	
4.....	7	3	7	4	2	3	1	.....	1	2	2	7	5	37	70
	10	.....	2	1	3	.....	3	.....	3	.....	1	2	3	18	
5.....	11	13	4	2	6	3	8	5	.....	1	2	4	4	52	70
		37	34	30	30	22	25	25	11	24	29	28	28	....	323

The reported cases of Diphtheria show a decrease of 194 cases from those reported in 1906.

District 1 shows a decrease of 24 cases.
District 2 shows a decrease of 67 cases.
District 3 shows an increase of 20 cases.
District 4 shows a decrease of 9 cases.
District 5 shows a decrease of 114 cases.

Cases Reported Weekly.

Jan. 5	8	July 6	6
" 12	9	" 13	13
" 19	8	" 20	3
" 26	8	" 27	3
Feb. 2	6	Aug. 3	0
" 9	7	" 10	2
" 16	8	" 17	2
" 23	13	" 24	3
Mar. 2	11	" 31	4
" 9	4	Sept. 7	5
" 16	5	" 14	8
" 23	8	" 21	3
" 30	7	" 28	8
April 6	7	Oct. 5	11
" 13	12	" 12	2
" 20	5	" 19	6
" 27	5	" 26	5
May 4	4	Nov. 2	9
" 11	4	" 9	6
" 18	1	" 16	3
" 25	9	" 23	8
June 1	6	" 30	7
" 8	3	Dec. 7	5
" 15	6	" 14	8
" 22	12	" 21	3
" 29	3	" 28	5

Age and Sex Distribution of 317 Cases.

Age.	Males.	Females.	Persons.
Under 1 year	0	2	2
1- 2 years	7	5	12
2- 3 "	12	11	23
3- 4 "	17	16	33
4- 5 "	16	14	30
5-10 "	49	70	119
10-15 "	14	21	35
15-20 "	5	10	15
20-30 "	9	16	25
30-40 "	6	11	17
40-50 "	0	5	5
50-60 "	0	1	1
	135	182	317

Death Rate per 1,000 Living.

1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
0.34	0.61	0.78	0.65	0.36	0.30	0.26	0.27	0.26	0.19

Morbidity, or Sick Rate, per 1,000 Living.

1.73	5.58	10.00	6.61	4.88	3.38	3.42	3.59	5.24	3.23

Fatality, or Case Death Rate, Percentage.

19.00	10.90	7.78	9.59	7.60	8.69	7.57	7.71	5.02	5 88

For the ten years recorded above the mean annual death rate was 0.40; the mean annual morbidity, 4.76; the mean annual fatality, 8.97.

TYPHOID FEVER.

CASE REPORTED.

District	Ward	January	February	March	April	May	June	July	August	September	October	November	December	Total	Total
	8	.....	.....	.....	1	.....	.....	.....	.....	1	1	1	.....	4	
1.....	9	.....	.....	.....	.....	.....	.....	1	1	.....	.....	1	1	4	8
	3	.....	.....	4	.....	.....	.....	.....	.....	2	.....	.....	.....	6	
	4	.....	.....	.....	.....	1	1	1	.....	2	.....	.....	.....	5	
2.....	5	1	.....	1	2	1	1	.....	.....	.....	.....	2	.....	8	19
	1	.....	.....	.....	.....	.....	.....	1	4	4	2	.....	.....	11	
3.....	2	.....	.....	....	.....	.....	.....	.....	.....	1	1	.....	.....	2	13
	6	.....	.....	.....	2	1	1	.....	.....	1	7	1	.....	13	
4.....	7	.....	3	1	.....	.....	.....	.....	.....	.....	2	1	1	8	21
	10	1	.....	.....	.....	.....	.....	.....	.....	2	2	.....	.....	5	
5.....	11	1	1	1	.....	1	.....	.....	4	10	5	.....	1	24	29
		3	4	7	5	4	3	3	9	23	20	6	3		90

The reported cases of Typhoid Fever show a decrease of 38 cases from those reported in 1906.

District 1 shows a decrease of 8 cases.
District 2 shows a decrease of 16 cases.
District 3 shows a decrease of 3 cases.
District 4 shows a decrease of 5 cases.
District 5 shows a decrease of 6 cases.

Age and Sex Distribution of 78 Cases.

Age.	Males.	Females.	Persons.
Under 1 year	0	1	1
2- 3 years	0	2	2
5-10 "	6	3	9
10-15 "	5	6	11
15-20 "	7	9	16
20-30 "	12	7	19
30-40 "	8	5	13
40-50 "	1	2	3
50-60 "	0	2	2
60-70 "	0	1	1
70-80 "	1	0	1
	40	38	78

Death Rate per 1,000 *Living.*

1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
0.15	0.23	0.16	0.10	0.18	0.13	0.22	0.19	0.19	0.10

Morbidity, or Sick Rate, per 1,000 *Living.*

1.09	1.11	1.20	1.03	1.36	1.29	1.41	1.13	1.29	0.90

Fatality, or Case Death Rate, Percentage.

14.50	20.00	13.50	10.40	13.28	11.36	16.91	17.11	14.84	11.11

For the ten years recorded above the mean annual death rate was 0.16; the mean annual morbidity, 1.18; the mean annual fatality, 14.30.

MEASLES.

CASES REPORTED.

District	Ward	January	February	March	April	May	June	July	August	September	October	November	December	Total	Total
	8	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	
1.....	9	.....	1	.....	.....	1	1	.....	.....	.....	.....	.....	.....	3	4
	3	.....	.....	1	1	2	.....	.....	.....	.....	.....	.....	.....	4	
	4	.....	.....	.....	1	1	.....	1	1	.....	.....	.....	.....	4	
2.....	5	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	1	.....	3	11
	1	1	3	.....	2	1	.....	1	2	.....	.....	.....	.....	10	
3.....	2	4	2	4	.....	2	.....	.....	.....	.....	.....	.....	.....	12	22
	6	2	.....	.....	.....	2	4	3	1	1	.....	.....	2	15	
4.....	7	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	16
	10	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	3	
5.....	11	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	2	4	7
		9	8	5	4	11	5	5	4	2	0	2	5	....	60

The reported cases of Measles show a decrease of 571 from those reported in 1906.

District 1 shows a decrease of 161 cases.
District 2 shows a decrease of 158 cases.
District 3 shows an increase of 15 cases.
District 4 shows a decrease of 152 cases.
District 5 shows a decrease of 115 cases.

Cases Reported Weekly.

Jan.	5	0	July	6	1
"	12	2	"	13	0
"	19	2	"	20	2
"	26	1	"	27	2
Feb.	2	5	Aug.	3	0
"	9	3	"	10	3
"	16	2	"	17	0
"	23	1	"	24	1
Mar.	2	1	"	31	0
"	9	0	Sept.	7	0
"	16	0	"	14	0
"	23	0	"	21	2
"	30	5	"	28	0
April	6	1	Oct.	5	0
"	13	1	"	12	0
"	20	1	"	19	0
"	27	1	"	26	0
May	4	1	Nov.	2	0
"	11	3	"	9	0
"	18	2	"	16	0
"	25	3	"	23	0
June	2	2	"	30	2
"	8	3	Dec.	7	2
"	15	0	"	14	0
"	22	1	"	21	1
"	29	1	"	28	1

Age and Sex Distribution of 59 Cases.

Age.	Males.	Females.	Persons.
Under 1 year	2	5	7
1- 2 years	4	3	7
2- 3 "	2	2	4
3- 4 "	5	4	9
4- 5 "	2	2	4
5-10 "	10	8	18
10-15 "	1	0	1
15-20 "	2	1	3
20-30 "	2	4	6
	30	29	59

Death Rate per 1,000 Living.

1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
0.01	0.08	0.00	0.10	0.04	0.04	0.08	0.05	0.05	0.08

Morbidity, or Sick Rate, per 1,000 Living.

0.60	5.26	1.50	6.04	4.32	0.84	4.99	1.14	6.40	0.60

Fatality, or Case Death Rate, Percentage.

1.80	1.69	0.00	1.76	0.98	5.00	1.66	4.46	0.79	13.33

For the ten years recorded above the mean annual death rate was 0.05; the mean annual morbidity, 3.14; the mean annual fatality, 3.14.

The high fatality of this year indicates either an exceptionally severe type of the disease, or great laxness in reporting cases.

CONSUMPTION.

There were reported during the year 207 cases, the age and sex distribution of which was in 130 instances as follows:—

Age.	Males.	Females.	Persons.
10-15 years	0	1	1
15-20 "	5	7	12
20-30 "	30	15	45
30-40 "	31	15	46
40-50 "	10	5	15
50-60 "	4	4	8
60-70 "	1	1	2
70-80 "	0	1	1
	81	49	130

In the cases of 30 males and of 34 females the age was not given.

In the cases of 2 persons aged respectively between 30 and 40, and 40 and 50, the initial only of the christian name was given.

In 11 cases neither age nor sex was given.

	1901	1902	1903	1904	1905	1906	1907
Males	2.30	1.64	1.60	2.09	1.71	1.79	1.79
Females	1.85	2.32	1.91	1.83	1.79	1.37	1.57
All persons	2.07	1.90	1.76	1.96	1.75	1.58	1.68

In the table above are given the death-rates per 1000 living for males, females and all persons for the years 1901 to 1907 inclusive.

OTHER NOTIFIABLE DISEASES.

In addition to the diseases already enumerated there were reported 4 cases of Chicken-pox, 5 of Whooping-cough, 23 of Cerebro-spinal meningitis.

Death Rate per 1,000 Living.

	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
Cancer	0.82	0.56	0.75	1.03	0.83	0.75	0.81	0.77	0.83	0.77
Diarrhœal diseases	2.00	1.35	1.51	1.05	1.04	1.17	1.20	1.08	1.03	0.94
Whooping-cough	0.25	0.31	0.13	0.11	0.09	0.15	0.03	0.14	0.45	0.10
Bronchitis	0.52	0.56	0.52	0.39	0.41	0.43	0.36	0.27	0.41	0.47
Pneumonia	1.66	1.81	1.65	1.86	1.74	1.92	1.51	1.86	1.67	1.39

The mean annual death rate for the ten years recorded above is of Cancer, 0.79; of Diarrhoeal Diseases, 1.23; of Whooping-cough, 0.17; of Bronchitis, 0.43; of Pneumonia, 1.70.

RETURN OF DEATHS (Non-Residents Omitted.)

Age and Sex Distribution.

Age.	Males.	Females.	Persons.
Under 1 year	189	144	333
1- 2 years	31	28	59
2- 3 "	7	11	18
3- 4 "	10	7	17
4- 5 "	9	5	14
5-10 "	22	18	40
10-15 "	10	13	23
15-20 "	16	19	35
20-30 "	69	48	117
30-40 "	90	54	144
40-50 "	66	63	129
50-60 "	54	69	123
60-70 "	87	116	203
70-80 "	59	108	167
Over 80 years	37	74	111
	756	777	1,533

Monthly Distribution.

January	136	August	161
February	136	September	120
March	131	October	113
April	134	November	108
May	127	December	160
June	108		
July	99	Total	1,533

Causes.

	Males.	Females.	Persons.
Bronchitis	19	28	47
Pneumonia	74	65	139
Cancer	25	52	77
Cerebro-spinal Meningitis	8	8	16
Cholera Infantum	18	12	30
Diarrhoea and Cholera Morbus	34	26	60

Dysentery	0	4	4
Diphtheria	5	14	19
Erysipelas	1	2	3
Fever, Scarlet	6	4	10
Fever, Typhoid	6	4	10
Influenza	10	15	25
Measles	4	4	8
Phthisis	87	82	169
Puerperal Septicaemia	0	4	4
Whooping Cough	7	3	10
Diseases of Brain and Spinal Cord	85	97	182
Diseases of Heart	92	89	181
Diseases of Kidneys	33	59	92
Accident	51	12	63
Suicide	12	2	14
Unknown and Ill-defined	43	35	78
All Other Causes	136	156	292
Total	756	777	1,533
Still-births	54	40	94

EDWIN FARNHAM, M. D.,

Medical Adviser to Board of Health.

REPORT OF INSPECTOR OF MILK.

DEC. 1, 1906, TO JULY 1, 1907.

To the Honorable, the City Council:

During the past seven months an average of 400 chemical analyses of milk samples per month has been maintained. Each sample has been tested for fats, total solids and added preservatives and any suspicious samples were carefully investigated for added water or coloring matter.

Prosecutions were brought in court on account of three cases of skimmed milk, and one case of watered milk resulting in a levy of fines aggregating $220.00.

The examination of sediments of 100 samples of milk taken each month have resulted in the finding of several cases of diseased cows and the stopping of the sale of such milk on our streets.

The following incident will explain one interesting case:

A physician reported two cases of sore throat and gastro-enteritis in one family, shown by cultures due to streptococcus infection. As one of the cases was living almost entirely upon milk and the other was drinking considerable of it, the milk sediment was examined and showed much pus and the presence of streptococci. The milk dealer's supply was immediately investigated showing one of his three dairies as the source of infection. Sending, next, the collector to this dairy, samples of milk were collected from each cow and five were found diseased with garget, and the State Board of Health immediately cared for the cases.

The infant feeding enterprise has been started under the same management as last year. The milk is of a very high order of certified cleanliness, is examined weekly for chemical and bacterial quality and suitable modifications are put up at the School for Nurses, 1000 Mass. Av., in charge of Miss Annette Fiske to whose zeal and care the success of the past two years has been largely due.

Milk for this use is being obtained at the Cedar Hill Farm of Miss Cornelia Warren in Waltham where 100 cows are kept under conditions established by the Cambridge Medical Improvement Society

are suitable for certification and near which is the model dairy for careful handling, cooling and storing such milk.

The use of this milk last summer by some 250 infants resulted in a decrease of 16 per cent. in the city mortality rate of infants dying from acute enteric disturbances.

It is an obvious fact that more strict rules and better inspection should be maintained over all dairies shipping milk for the metropolitan market and Cambridge would do well to have a field inspector looking over the dairies supplying the 10,000 gallons of milk daily used in Cambridge.

Respectfully,

ALBERT P. NORRIS, M. D.

REPORT OF INSPECTOR OF MILK.

JULY 1, TO DECEMBER 1, 1907.

OFFICE OF INSPECTOR OF MILK,

CAMBRIDGE, DECEMBER, 1907.

To His Honor, the Mayor, and the City Council of the City of Cambridge:

GENTLEMEN:—I have the honor to present the report of the Department of Milk Inspection for the five months beginning July 1, and ending December 1, 1907.

MILK.

In this period, 2180 samples have been analyzed, and of these samples, 2070 were taken by the collector from dealers in milk. The results of the analyses are given in detail in the following table:

MONTHS. July 1, 1907, to December 1, 1907.	Number of Samples.	Samples below standard, in fat or solids.	Per cent. below standard in fat or solid.	TOTAL SOLIDS.			FAT.			Solids not fat. Average.	Warnings.
				Highest.	Lowest.	Average.	Highest.	Lowest.	Average.		
July	417	60	14.38	15.90	11.10	12.46	5.9	2.2	3.44	9.02	16
August	432	67	15.5	15.96	11.94	12.44	5.5	2.0	3.41	9.03	26
September	389	53	13.62	13.94	10.48	12.46	4.5	1.4	3.40	9.06	30
October	432	307	71.0	15.48	10.58	12.89	5.7	1.5	3.96	8.93	40
November	400	273	68.25	15.46	11.04	12.87	5.8	2.6	3.83	9.04	34
Total	2070	760	31.40	15.96	10.48	12.62	5.9	1.4	3.6	9.01	146

The standard of milk required by the Massachusetts law, is 3.7% fat, and 13% total solids, from October 1 to April 1, and 3% fat and 12% total solids, during the remaining months of the year. It is almost universally conceded that the standard for the winter months is too high, and it is undeniable that the summer standard is too low, as it permits of the easy adulteration of the milk supply, usually by the skilful addition of certain amounts of skimmed milk. In this way, milk of average quality may be kept above the legal requirements.

As evidenced by an examination of the table, such a change of standard from winter to summer is unwarranted. Under the present law, a milk dealer may be an honest person on September 30, and a lawbreaker on October 1. It would be much more fair to all concerned, and would create a greater respect for, and an easier enforcement of the law, if the standard were 3.5% fat and 12.50% total solids throughout the year.

Constant watch has been kept for coloring matter in the milk, but none was discovered; and no added preservative has been found in any sample.

One hundred and forty-six warnings have been sent to dealers whose milk was found below the standard in quality. In most instances, a personal interview with the offender has followed, as it is the belief of the Inspector, that, in order to keep high the standard of milk entering our city, more can be gained by the intelligent, helpful co-operation of the milkmen than by his antagonism.

It has been found necessary, however, to prosecute three milk dealers for possession with intent to sell of milk below the standard in quality. All three were convicted. The defendant in one case who was summoned for the second offense, appealed, but pleaded guilty in the Superior Court and paid his fine. The aggregate of fines imposed is $135.00.

Several samples from a dairy which was beyond the jurisdiction of the Department, were found, on analysis, to be decidedly inferior in quality. The State Board of Health was notified, and made investigations, which resulted in a prosecution of the dairyman.

In addition to the chemical analyses, over 400 milk samples have been examined for bacteria. This examination consisted of counting the number of bacteria per cubic centimeter or of the inspection of the centrifugalized sediment for pus and germs. The results of the bacteria counts, are as follows:

SAMPLES SEIZED FROM WAGONS.

Count less than 50,000 per cubic centimeter	17	per cent.
" from 50,000 to 100,000 per cubic centimeter	9	" "
" from 100,000 to 250,000 per cubic centimeter	21	" "
" from 250,000 to 500,000 per cubic centimeter	16	" "
" above 500,000 per cubic centimeter	37	" "

Owing to the percentage of samples standing higher than 500,000 per cubic centimeter, which is the maximum number allowed by the regulations of the Board of Health, and because of the occasional

presence of pus cells or streptococci or both, in the milk samples, it is evident that there is great need of adequate inspection of the dairies supplying the city, and a necessity for a campaign of education for the farmer, which shall inculcate into his mind the doctrine that "clean milk is pure milk."

A part of the milk delivered in the city is subjected to commercial pasteurization, in which process, the milk is heated to a temperature varying from 155° to 170° F., for a short time, and then cooled. In this way, most of the souring bacteria are killed, but many of the more harmful types, are not; furthermore, it puts a premium on careless handling, and permits a disregard of all the precautions necessary for the production of clean, cold milk.

The sale of milk in many of the small stores, is to be deplored, as many storekeepers are naturally quite unfitted properly to conduct the milk business. Against the use of shop milk as a food for infants, the public needs especially to be warned as the action of long kept, carelessly handled milk is frequently that of a poison.

Although each store is inspected before a license is granted, a reduction of the number of the middlemen, could result only advantageously to the community. As a method of excluding many storekeepers, the Inspector suggests the raising of the fee for a license to sell milk to a price prohibitive to all except to those who have the desire, the knowledge and the facilities to handle milk in a cleanly manner. The experiment of selling bottled milk just as received from the milkmen, is being tried in several stores, and is worthy of enouragement.

In order to give storekeepers an idea of how to dispense milk and to care for milk receptacles, the following placard was printed and distributed early in the summer:

WARNING!

I.

The use of milk cans, jars and other milk vessels, as containers for substances other than milk, is prohibited. (See law of 1906, Chapter 116, and regulations of Cambridge Board of Health).

II.

Milk offered for sale must be kept at a temperature *not higher than* 50° *Fahrenheit.*

III.

All measures and receptacles for milk *must be cleaned and scalded* at least once each day.

(See Section 8, Regulations Cambridge Board of Health).

IV.

Shake well all cans containing milk before selling.

The co-operation of the large dealers, whose chemists have made chemical and bacterial analyses, and who have inspected the dairies supplying them with milk, deserves commendation.

There has been a general compliance with the regulations regarding the keeping of milk in stores and on wagons below 50° Fahrenheit. This has been made easy for the dealers, because of the plentiful supply and moderate price of ice.

The traffic in milk has become more concentrated, and there are fewer milkmen by about one-third, than were engaged in the business last year. This reduction has affected principally the smaller milk dealers. The number of shops selling milk, remains about the same.

The quality of the milk supply from the standpoint of food value has been, on the whole, of high grade. In order to maintain a supply of clean milk for our city, it is essential that the citizens co-operate not only by demanding a wholesome milk, but also by their willingness to pay for it.

BUTTER.

The stores throughout the city have shown a general compliance with the law regarding the marking of all samples of renovated butter and oleomargarine. In the course of the routine inspection of every store, fifty samples have been seized, and on analysis, have been shown to be properly labeled in conformity with the statutes. There are, at present, seven licenses issued for the sale of oleomargarine in our city.

VINEGAR.

Of the 52 samples examined, 48 were seized from dealers throughout the city. Four of these were found deficient in solids, and one too low in acid; another sample offered for sale as pure cider vinegar, was found to be spurious in nature. Warnings were sent in regard to

these samples. The others were up to the standard and properly labeled.

Four samples of a supply from the country, brought in for analysis by a citizen, were pronounced insufficiently acetified and the citizen was warned against offering the supply for sale.

MODIFIED MILK.

The City Council, early in the spring, appropriated one thousand dollars to cover any deficit in the distribution, at a moderate price, of a clean milk to the infants of Cambridge.

The Milk Commission, appointed by the Mayor, consisting of Drs. T. W. Taylor, W. D. Swan, J. P. Fair and Messrs. J. P. Russell and Archibald M. Hone, gladly gave advice. By the co-operation of the nurses of the Cambridge School of Nursing and the Visiting Nursing Association, 3550 quarts of milk were modified, bottled, and dispensed under the careful direction of Miss Annette Fiske, during the season of eleven and one half weeks, from June 26th to Sept. 15. During the warmest period of the summer, in August, the nurses gave out *daily* 700 bottles to about 150 infants.

The Commission certified the milk from the Cedar Hill Farm, which was the only farm meeting their requirements, and frequent examinations of the milk during the summer, by the Inspector, showed the remarkable average of from 2000 to 5000 bacteria per cubic centimeter.

In order to continue the distribution of the milk in September, the Council appropriated in August, the additional sum of $190.00. The revenue acquired from the sale of milk during the season, amounted to $538.00, making the total cost to the city for the entire enterprise, $652.00.

That the milk was of benefit to the infants, may be seen by an examination of the following table, showing the number of deaths among infants, and the causes of fatality, during the three summer months, for each of the past five years. The number of deaths from intestinal complaints, has been ten per cent. less than the average of the past five years.

	1902			1903			1904			1905			1906			1907		
	July	Aug.	Sept.	July	Aug.	Sept.	July	Aug.	Sept.	July	Aug.	Sept.	July	Aug.	Sept.	July	Aug.	Sept.
Acute Enteric Diseases																		
0-1 years....	22	23	13	18	23	20	13	22	20	28	23	13	14	20	17	3	32	17
1-5 years....	4	4	3	2	3	1	4	3	4	3	1	0	3	6	2	1	3	2
Still Births.....	16	10	12	12	13	12	8	13	11	12	9	8	10	14	12	16	10	9
Lung Affections, 0-1 year	1	2	3	5	1	1	1	1	6	1	1	6	4	2	5	1	2	3
1-5 years.....	2	4	3	3	1	1	2	3	3	2	6	0	5	4	6	2	2	0
Heart Affections, 0-1 year	.....	.....	1	0	0	1	.....	.....	.....	.....	0	1	1	1	.....	1	1	3
1-5 years.....	.....	.....	0	1	1	0	.....	.....	.....	.....	1	0	0	0	0	0	0	0
Tracoma.....0-1 year	.....	1	.....	.....	.....	0	0	...	.....	0	.....	1	0	.....	.....	0	0	1
1-5 years.....	.....	0	.....	.....	.....	1	1	.....	.....	1	.....	1	2	.....	.....	3	1	0
Cerebral Trenmo, 0-1 year	2	3	0	0	2	0	.....	0	1	2	2	3	0	1	0	0	0	0
1-5 years	2	3	1	1	2	3	.....	4	4	2	1	0	2	0	1	.....	1	.....
Blood Affections, 0-1 year	0	.....	.....	0	1	1	.....	.....	.....	.....	.....	... .	1	1	1	.....	.....	.....
1-5 years.....	1	.....	.....	2	0	0	.....	.....	.....	.....	.....	.....	0	0	1	.....	.....	.....
Inamition.....0-1 year	6	4	11	6	9	9	1	5	6	6	10	16	7	10	12	5	12	4
1-5 years.....	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1
Acute Conty. Diseases																		
0-1 year	.....	.....	0	1	1	1	.....	.....	.....	0	0	0	0	.....	0	1	2	2
1-5 years.....	.....	.....	1	2	0	2	.....	.....	.....	1	1	4	1	.....	1	1	2	0
Convulsions.....0-1 year	0	0	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	2	2
1-5 years.....	4	1	0	.....	.....	.....	.....	.....	.....	0	.....	.....	0	.....	.....	.....	0	0
Peritonitis.....1-1 year	1	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	.....	0	1	.....	.....	.....
1-5 years.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	0	.....	.....	.....
Poisoning .....0-1 year	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....
1-5 years.....	.....	0	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Kidney Affections																		
0-1 year	.....	0	.....	.....	.....	1	.....	.....	... .	.....	.....	.....	.....	.....	.....	.....	.....	.....
1-5 years.....	.....	1	.....	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	... .
Liver Affections, 0-1 year	.....	.....	.....	1	.....	... .	0	0	.....	1	... .	.....	.....	.....	.....	.....	.....	.....
1-5 years.....	.....	.....	.....	0	.....	... .	1	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....

STATISTICS.

Stores on record December 1, 1907	475
Milkmen licensed	79
Stores licensed	172
Butterine licenses	7
Milk samples analyzed	2,180
Butter samples analyzed	50
Vinegar samples analyzed	52

COURT CASES.

Complaints	3
Convictions	3

Nature of Complaints.

Milk below standard	3
Fines	$135 00

EXPENDITURES.

SALARIES.

Appropriation	$1,750 00

EXPENDED.

Salaries of Inspectors:—		
Albert P. Norris	$583 33	
Ernest H. Sparrow	416 67	
Deputies:—		
Clemence J. Hogan	688 16	
Charles A. Hogan	26 00	
Total		$1,714 16
Balance unexpended		$35 84

GENERAL EXPENSES.

Appropriation		$250 00
Transferred from salaries		35 84
Transferred from Contingent Fund		1 47
		$287 31
Expended to July 1 (see above)	$156 76	
Expended from July 1 to date:—		
Printing	$11 40	
Apparatus	74 95	
Chemicals	11 31	
Car tickets	25 00	
Express	7 24	
Incidentals	65	
	$130 55	
Total expenditures		$287 31

Respectfully submitted,

ERNEST H. SPARROW, M. D.,

Inspector of Milk.

REPORT OF OVERSEERS OF THE POOR.

CENTRAL SQUARE BUILDING,
CAMBRIDGE, December 30, 1907.

To His Honor, the Mayor, and the City Council of the City of Cambridge:

GENTLEMEN:—The Overseers of the Poor herewith present their thirtieth annual report, under the Act of May 7, 1877.

The membership of the Board has continued intact during the year.

On May 7th the City Council re-elected Patrick J. Callaghan as an Overseer of the Poor for a period of five years from May 1, 1907, and he was duly sworn into office.

At the annual meeting on May 6, Henry H. Winslow was elected as chairman of the Board for the ensuing year.

The officials of the department were again appointed as follows: David P. Muzzey, as Secretary, Miss Addie Benson as Clerk, Charles E. Goodrow as Superintendent of the City Home, and his wife, Emma A. Goodrow, as Matron, each one being chosen for the term of one year, and the salary determined by the Board. Samuel F. Norris was likewise appointed as Visitor of the Board for the same period, and his salary also established.

On April 16 the claim of the Commonwealth for the support of Mary F. Looney, an insane pauper, was adjusted, and the sum of sixteen hundred dollars was appropriated by the City Council and paid by Cambridge to the State Treasurer.

The system of outside aid and investigation has been continued through the year. The history of the applicant is taken by the visitor who endeavors to ascertain the place of legal settlement, and pursues his inquiries into the actual need of the person who calls for public relief. No application of a child is received at the office unless it is actually determined that an adult member of the family is absolutely unable to appear. The home of the poor person is visited, and, if he is employed, the amount of his wages is ascertained, and all possible information discovered.

During the year a large amount of time has been employed by the

visitor for the Board of Health, as required by law, in the determination of the settlement of persons afflicted with consumption, and other contagious diseases, and for the expense of whose support the city may become liable.

There are now on file at the office of the Board in Central Square Building the histories of fifteen thousand, two hundred and ninety-two families, embracing forty-five thousand, eight hundred and seventy-six persons, all of these histories having been taken since the organization of this Board on May 1, 1877. This surely is a valuable compendium of information and of inestimable worth to the city.

The new hospital on the City Home grounds has continued its work of relieving the sick poor, and has demonstrated its extreme value when we consider the finances of the city, saving thousands of dollars to the treasury.

Ninety-two patients have been cared for under the efficient supervision of the City Physician, the Superintendent and Matron of the City Home, together with the faithful service of the various nurses and attendants.

The Overseers of the Poor have continued their charge of the collection of the city offal.

As we examine the financial results of the past year we find some satisfaction in the increased revenue obtained, although naturally accompanied by enlarged expenses.

The department estimates for 1907 were as follows:—

Outdoor Relief	salaries	$3,655 00	general expenses	$20,000 00	$23,655 00
City Home	"	7,090 00	" "	12,665 00	19,755 00
City Farm	labor	4,322 00	supplies	985 00	5,307 00
City Home Hospital					1,800 00
House Offal	labor	31,011 00	general expenses	8,700 00	39,711 00

The City Council appropriations were as follows:

Outdoor Relief	salaries	$3,500 00	general expenses	$15,000 00	$18,500 00
City Home	"	7,090 00	" "	12,000 00	19,090 00
City Farm	labor	4,000 00	" "	1,900 00	1,600 00
City Home Hospital					$1,600 00
House Offal	labor	$27,200 00	general expenses	6,000 00	33,200 00

The actual expenditures, as per books of the Overseers of the Poor, were as follows:

Outdoor Relief	salaries	$3,560 00	general expenses	$28,831 04	$32,391 04
City Home	"	7,034 62	" "	12,469 93	19,504 55
City Farm	labor	3,980 78	supplies	998 46	4,979 24
City Home Hospital					1,599 71
House Offal	labor	28,320 45	general expenses	7,664 70	35,985 15
					$48,717 00

The department estimates for revenue were as follows:

Outdoor Relief	$1,400 00
City Home	800 00
City Farm	4,800 00
City Home Hospital	300 00
House Offal	10,500 00

The City Council estimates for revenue were as follows:

Outdoor Relief	$1,500 00
City Home	900 00
City Farm	5,200 00
City Home Hospital	111 71
House Offal	11,000 00

The actual revenue was as follows:

Outdoor Relief	$1,600 00
City Home	838 88
City Farm	5,486 29
City Home Hospital	444 01
House Offal	10,564 07

The additional appropriations by the City Council from December 1, 1906 to December 1, 1907 were as follows:

To Outside Aid—General Expenses	$6,600 00
To City Home—General Expenses	400 00
To City Home—Supplies	100 00
To House Offal—General Expenses	900 00
To House Offal—Labor	1,200 00

The following transfers were also made:

Outdoor Relief—General Expenses to Salaries	$60 00
Outdoor Relief—General Expenses to House Offal, General expenses	700 00
City Home—Salaries to General Expenses	70 00
City Farm—Labor to City Home, Salaries	15 00
House Offal—Labor to General Expenses	65 00

The actual comparative table of the net cost of all branches of the Poor Department each year for the past six years has been as follows:

	1902	1903	1904	1905	1906	1907
Outside Aid	$39,006 97	$40,671 41	$23,023 02	$19,702 77	$15,455 70	$28,954 19
City Home	18,056 21	18,090 80	18,254 10	19,019 07	18,868 09	18,665 67
Farm	168 53	1,089 77	670 78	13 86	234 80	507 05
City Home Hospital	.....	.....	.....	1,643 22	1,054 19	1,155 70
House Offal	18,596 97	20,488 02	19,281 89	22,308 39	23,308 39	25,421 08
	$75,828 68	$80,340 00	$61,229 79	$62,687 31	$58,419 38	$73,689 59

During the year the number of persons at institutions for whom the city has been liable has been four hundred and forty-eight, an increase of one hundred and one over the previous year, as follows:

City Home	251
State Hospital for Epileptics, Monson	6
Foxboro State Hospital for Dipsomaniacs	8
Westboro Insane Hospital	1
Cambridge Relief Hospital	11
Holy Ghost Hospital	10
Carney Hospital	1
Boston City Hospital	96
Sherman Hospital for Incurables	1
Children's Hospital	2
Galdwinville Hospital Cottages for Children	1
Massachusetts State Sanatorium, Rutland	2
Massachusetts School for Feeble Minded, Palmer	25
State Hospital, Tewksbury	33
	448

The City Physician has made 322 visits upon 120 patients at the City Home, and he has also made 834 visits upon 540 patients outside of the institution. There have been ninety-two patients at the City Home Hospital. There has been paid from the Overseers of the Poor appropriation $259.87 for outside aid medicines and $323.17 for City Home medicine. $15.00 has been paid for outside aid surgical appliances and $16.50 at the City Home. $89.00 has been paid for outside additional medical service. $186.00 has been paid for medicine at the City Home Hospital and $92.85 for surgical appliances.

There were 24 deaths of the City Home during the year, 8 males and 18 females. 41 persons sent to the hospitals, 35 persons received burial, 30 persons in the Cambridge Cemetery on the Outside Aid account at an expense of $333.00, and 5 persons on City Home account at an expense of $66.50 for undertaker's services and interment. At the City Home the oldest person to die was a woman of eighty-four years, and the youngest was a woman of forty-one years.

There have been 251 inmates in the City Home during the year, and there remained 103 persons on November 30, 1907, the average number being 105 during the year.

RECAPITULATION.

Total expenditures for Outside Aid, City Home, Farm, Hospital	$58,474 54
Receipts for the same	10,201 03
Net cost of care of poor	$48,273 51

Respectfully submitted,

HENRY H. WINSLOW,
PATRICK CROWLEY,
JAMES F. MULLEN,
PATRICK J. CALLAGHAN,
JOHN R. McCOOL,

Overseers of the Poor of Cambridge.

REPORT OF THE SUPERINTENDENT OF THE CAMBRIDGE CITY HOME.

CAMBRIDGE, December 1, 1907.

To the Overseers of the Poor:

GENTLEMEN:—The annual report of the Cambridge City Home for the year ending November 30, 1907, is herewith respectfully submitted.

The whole number in the Home during the year has been as follows:

Males	125
Females	126
Total	251

Adults	226
Minors	25
Whole number in Home, November 30, 1907	103
Average number during the year	105

Included in the whole number in the House, November 30, 1907, there are:

IDIOTIC OR IMBECILE.

Males	0
Females	1
Total	1

BLIND.

Males	0
Females	1
Total	1

EPILEPTIC.

Males	2
Females	2
Total	4

Included in the whole number discharged during the year, are ten persons sent to other institutions, as follows:

Holy Ghost Hospital	1
State Hospital	2
State Home	2
Worcester Insane Hospital	5

Remaining in the Home, November 30, 1907:

Males	51
Females	52
Adults	103
Minors	0

All statistics of general interest will be exhibited by the following tables:

TABLE I.

Showing the number and sex of adult persons and minors of all classes received into the Cambridge City Home in each month of the year ending November 30, 1907.

Months.	Adults.		Minors.		Total.	Dependent Children.		Neglected Children.	
	M.	F.	M.	F.		M.	F.	M.	F.
1906.									
December	3	6	0	1	10	0	1	0	0
1907.									
January	4	9	0	0	13	0	0	0	0
February	2	7	0	1	10	0	1	0	0
March	4	5	0	2	11	0	2	0	0
April	9	7	6	2	24	6	2	0	0
May	6	4	1	2	13	1	2	0	0
June	3	6	2	0	11	2	0	0	0
July	6	4	0	0	10	0	0	0	0
August	4	3	2	1	10	2	1	0	0
September	7	3	1	0	11	1	0	0	0
October	7	7	1	1	16	1	1	0	0
November	4	4	0	1	9	0	1	0	0
Totals	59	65	14	11	148	13	11	0	0

TABLE II.

Showing the number and sex of adult persons and minors of all classes discharged from the Cambridge City Home in each month of the year ending November 30, 1907.

Months.	Adults.		Minors		Total.	Dependent Children.		Neglected Children.	
	M.	F.	M.	F.		M.	F.	M.	F.
1906.									
December	1	5	1	0	7	1	0	0	0
1907.									
January	5	1	0	0	6	0	0	0	0
February	2	9	0	0	11	0	0	0	0
March	8	7	0	2	17	0	2	0	0
April	15	4	5	2	26	6	3	0	0
May	5	6	1	2	14	1	2	0	0
June	3	6		1	11	1	1	0	0
July	6	5	1	0	12	1	0	0	0
August	4	5	2	1	12	2	1	0	0
September	2	5	1	0	8	1	0	0	0
October	7	4	0	0	11	0	0	0	0
November	6	3	2	2	13	2	2	0	0
Totals	64	60	13	10	148	15	11	0	0

TABLE III.

Showing the name, age, date of admission, date and cause of death of each person who has died in the Cambridge City Home during the year ending November 30, 1907.

Name.	Age.	Date of Admission.	Date of Death.	Cause of Death.
Daniel Kelliher	70	Sept. 5, 1906	Jan. 20, 1907	Bronchial Asthma.
Mary Reidy	47	Jan. 24, 1907	Jan. 24, 1907	Intestinal Obstruction.
Frances C. Queeny	68	June 21, 1906	Jan. 31, 1907	Paralysis.
Harriet M. Fay	53	Jan. 22, 1907	Feb. 17, 1907	Debility and Acute Gastritis
Michael Deegan	71	July 30, 1905	Feb. 27, 1907	Chronic Bronchitis.
Mary Crowley	81	April 29, 1904	Mar. 18, 1907	Senile Debility.
Albertina Colson	59	Mar. 1, 1907	Mar. 19, 1907	Gastritis.
Lucina Brown	84	Nov. 15, 1901	Mar. 27, 1907	Congestion of Lungs.
Jacob Stratton	70	April 3, 1907	Apr. 4, 1907	Paralysis.
Cornelia A. Bailey	71	Feb. 21, 1907	Apr. 6, 1907	Paralysis.
Hannah Mahoney	63	April 18, 1907	Apr. 18, 1907	Heart Disease.
Mary Comer	80	June 10, 1902	May 10, 1907	Paralysis.
Mary A. Callaghan	44	Mar. 19, 1907	May 30, 1907	Cirrhesis of the Liver.
Mary E. Hamilton	62	Oct. 10, 1906	June 1, 1907	Dysentery and Debility.
Sarah A. Higgins	41	June 4, 1907	June 6, 1907	Pneumonia.
Michael Daily	61	Dec. 5, 1906	July 2, 1907	Inflammation of the Bowels.
Patrick Ryan	67	July 12, 1907	July 16, 1907	Cardiac Lesions.
Martin Tiernan	70	Mar. 26, 1900	July 21, 1907	Heart Disease.
Mildred A. Laws	47	Nov. 4, 1900	Aug. 11, 1907	Paralysis.
Sarah Kelly	78	Sept. 8, 1901	Sept. 21, 1907	Oedema of Lungs.
Frederick M. Pike	49	May 2, 1907	Oct. 10, 1907	Paralysis.
Margaret Gallagher	67	Oct. 9, 1907	Oct. 10, 1907	Chro. Diarrhoea & Debility
Mary J. Brown	52	Jan. 28, 1907	Oct. 16, 1907	Phneumonia
William Hunt	72	June 14, 1894	Nov. 29, 1907	Nephritis & Complications.

PRODUCTS OF THE FARM AND THEIR APPROXIMATE VALUES.

239	bushels beans	$248 50
289	bushels beets	129 00
1,164	dozen bunches beets	178 45
21,390	cabbages	782 40
1,570	dozen celery	1,635 75
25,110	cucumbers	420 55
807	bushels dandelions	543 90
525	dozen lettuce	136 60
260	bushels onions	185 75
8,646	pounds pork	611 14
643	dozen radishes	119 20
118	bushels rhubarb	33 00
424	bushels spinach	98 35
34	barrels squash	21 75
755	bushels tomatoes	460 80
835	bushels parsnips	532 65
388	dozen carrots	298 20
19	bushels carrots	6 60
87	bushels beet greens	13 05
260	bushels parsley	135 60
100	cords manure	300 00
	Total	$6,891 29
	Cash receipts	5,486 29

PRODUCTS ON HAND DECEMBER 1, 1907.

30 pigs	$90 00
100 boxes celery	350 00
2,500 cabbages	75 00
100 cords manure	300 00
500 bushels parsnips	300 00
25 bushels beets	15 00
200 bushels onions	150 00
250 bushels carrots	125 00
	$1,405 00
Vegetables supplied Home one year to December 1, 1907	$350 00
Eggs supplied Home one year to December 1, 1907	140 00
Cash receipts	5,486 29
	$5,976 29
Less expenses	4,979 24
Net gain	$997 05

COMPARATIVE TABLE OF CITY HOME, FARM, LEDGE AND HOUSE OFFAL RECEIPTS FOR TWENTY-SEVEN YEARS, ENDING NOVEMBER 30, 1907.

Years.	Board.	Chair Shop	Farm.	General Sales.	Stone.	House Offal.	Totals.
1881	$822 56	.....	$378 50	.....	$2,529 01	$5,536 88	$8,766 95
1882	705 34	.....	436 54	.....	2,626 17	5,705 22	9,473 27
1883	1,174 96	.....	476 22	$14 19	2,622 00	5,819 55	10,106 92
1884	1,480 93	.....	316 76	.....	4,238 77	6,449 96	12,486 42
1885	2,035 58	.....	335 32	149 85	4,509 84	7,354 26	14,384 95
1886	613 93	$37 50	772 14	319 74	5,611 38	6,926 23	14,280 93
1887	514 64	634 19	1,595 10	241 37	4,684 14	6,856 59	14,526 03
1888	557 28	614 94	2,846 52	213 62	6,662 26	6,721 50	17,617 86
1889	274 84	479 28	3,684 59	144 36	5,564 18	6,324 61	17,471 06
1890	302 49	794 36	4,364 03	150 89	5,651 38	7,386 33	18,649 48
1891	1,201 33	844 62	5,213 68	161 71	6,107 86	7,716 77	21,245 97
1892	1,253 06	899 81	5,371 60	166 45	5,220 50	7,535 57	20,447 55
1893	703 70	325 86	6,400 64	210 09	5,826 74	7,033 52	20,500 05
1894	1,094 89	220 07	6,504 66	615 69	7,955 42	8,218 96	24,609 69
1895	622 77	77 00	6,512 63	160 19	8,265 14	9,155 35	24,682 78
1896	834 52	61 25	5,623 67	147 02	7,623 48	9,045 55	23,461 24
1897	1,294 61	3 60	5,348 47	137 33	10,335 16	7,228 79	24,348 06
1898	1,038 19	.....	5,730 13	277 40	2,172 60	7,264 09	16,482 41
1899	703 17	.....	6,049 47	142 54	.....	6,997 40	13,892 58
1900	611 57	.....	5,082 43	137 40	.....	7,322 05	13,153 45
1901	793 32	.....	5,173 83	83 60	.....	8,016 71	14,067 46
1902	826 69	.....	5,098 37	78 15	.....	9,722 83	15,726 04
1903	659 21	.....	3,922 67	526 43	.....	10,359 99	15,468 27
1904	969 54	.....	4,286 46	69 47	.....	11,729 75	17,055 23
1905	902 30	.....	4,964 10	65 39	.....	11,326 61	17,258 40
1906	807 96	.....	5,209 65	62 83	.....	10,565 96	16,646 40
1907	766 20	.....	5,486 29	67 68	.....	10,564 07	16,884 24
Totals	$23,065 62	$4,992 48	$107,184 45	$4,342 90	$98,222 03	$215,885 10	$453,692 58

Of the persons who died during the year, three were between eighty and ninety, seven between seventy and eighty, six between sixty and seventy, three between fifty and sixty and five between forty and fifty.

The average age of those who died was sixty-three and six tenths years.

Regarding the collection of offal, I will simply repeat what was said last year and call the attention of the City Council to the conditions existing in the offal department.

It must be admitted that the work of this department should be up to the highest standard, as the health of the community depends, in a great measure, upon the proper collection of garbage. If collections are not properly made, the sanitary condition of the city is unsafe.

At the present time the force of men and teams is inadequate for the needs of the city, which accounts for the greater number of complaints from citizens. The best that can be done is to send out twenty wagons, and as there is one in the shop most of the time, the number, as a rule, is reduced to nineteen.

There has been no allowance made for the increase in population and half holidays, for five years, and what is needed is the addition of three teams. Until this is done it will be impossible to make proper collections, and keep the residents from complaining, and rightfully, as at present.

As the matter is a serious one, I trust the City Council will give it their immediate attention, and appropriate a sum sufficient to make the department what it should be.

I wish to thank Dr. Brousseau and Mrs. Carrie W. Walker, and their associates for entertainments furnished the inmates during the year.

I thank your honorable board for valuable advice and assistance, and also thank the officers and employees in the departments under my charge for their faithfulness and efficiency.

Respectfully submitted,

CHARLES E. GOODROW,

Superintendent.

REPORT OF THE CITY PHYSICIAN.

1906-1907.

CAMBRIDGE, MASS., November 30, 1907.

To the Honorable, the City Council of the City of Cambridge:

GENTLEMEN:—In accordance with the requirements of Chapter 45 of the revised ordinances of 1892, a report of the doings of this office for the year ending November 30, 1907, is hereby rendered:

Number of visits to the City Home	322
Number of patients at the City Home	120
Number of persons attended there	476
Number of professional visits to the same	1,200
Number of births at the City Home	0
Number of deaths at the City Home	15
Cost of medicines and surgical appliances	$397 58

CITY HOME HOSPITAL.

Number of persons admitted	92
Number of patients attended there	145
Number of births	6
Number of deaths	9
Cost of medicines and surgical appliances	$265 35

OUTSIDE AID.

Number of persons attended for Overseers of Poor	540
Number of professional visits to the same	834
Number of persons sent to hospitals for treatment	41
Number of outside deaths	9
Number of outside births	10
Cost of medicines and surgical appliances	$232 02

DEPARTMENTAL SERVICE AND TOTALS.

Number of persons visited at police stations	66
Number of professional visits to the same	71
Number of persons examined for the Law Department	9
Number of professional visits for the Law Department	10
Number of employees examined for injuries	21
Number of visits to same	40
Number of vaccinations for School Committee	374
Number of visits to same	374
Number of call men examined	1
Number of policemen examined for retirement	0
Number of firemen examined for retirement—call men	2
Number of call men examined for increase of pension	1
Total number of persons receiving professional care	1,486
Total number of professional visits to the same	2,527

CITY HOME HOSPITAL REPORT FOR THE YEAR ENDING NOVEMBER 30, 1907.

There were 92 patients admitted during the year, the number of persons attended was 145, 9 of them were transferred from the home to the hospital, also some were children who were born at the hospital, and were not sick, leaving what would be called 83 patients, for a period of 2617 days or 373 6-7 weeks, averaging 4 weeks to a patient, and reckoned at the usual hospital rate of $10.00 a week, amounts to $3730.00 for the year.

We had 27 paying patients at the hospital for a period of 780 days or 111 1-2 weeks, with an average revenue of about $8.54 a week.

The total revenue from the paying patients was $6444.01, divided as follows:

From private patients—18	$341 93
From the State, Soldiers' Aid, other cities and towns—9	102 08
Total	$444 01
The appropriation from the city government for the year	1,600 00
Running expenses, salaries to nurses, etc.	1,599 71
Leaving a balance of	29
Revenue from all sources	$444 01
Net expense for the year	1,155 70

I regret very much to state that the hospital has not made as good a showing as last year, in money taken in, the only reason I can see, is its close proximity to the Cambridge City Home, which imposes a condition very hard to overcome. The need of a city hospital is very urgent, and cannot be called for too strongly, and as there seems to be some signs of activity towards erecting a contagious hospital, a general hospital would fit in nicely.

I wish to thank the superintendent, Mr. Goodrow, the secretary, Mr. Muzzey, the clerk, Miss Benson, and the agent, Mr. Norris, for their kind and courteous treatment and material help.

Respectfully Submitted,

WILLIAM G. BROUSSEAU, M. D.,

City Physician.

REPORT OF BOARD OF CEMETERY COMMISSIONERS.

CAMBRIDGE, December 1, 1907.

To the Honorable, the City Council:—

The Board of Commissioners of the Cambridge Cemetery respectfully submits the fifty-fourth annual report, the same being for the year ending November 30, 1907.

The amount appropriated at the beginning of the year was:

Salaries, $16,000.00. General Expenses, $3,000.00

The total amount of expenditures was:

Salaries, $15,848.77 General Expenses, $2,998.97

A special appropriation in the sum of one thousand dollars ($1,000.00) was made for rebuilding the wall along Coolidge Avenue.

For a detailed account of expenses, reference is made to the City Auditor's Report.

The receipts of the year have been as follows:

Burial and tomb fees	$3,025 00	
Care of lots	2,149 55	
Sale of lots and graves	9,513 00	
Foundations, brick graves, etc.	1,374 97	
Interest on Cemetery Fund	2,638 70	
Sundries	670 05	
Total		$19,371 27

The estimated revenue by this Board from General Account was $18,500.00 The increase of revenue over estimate was $871.27.

The season just closed has been a very busy one and has taxed the force at hand to the utmost to keep the work up to the standard. The number of men employed has been the same as for several past seasons, although it was hoped that a larger force would be available to complete the construction work which is waiting to be done. Since the City Council deemed it impossible to provide the appropriation, only the ordinary work of construction has been accomplished, with

the exception of the rebuilding of the wall along Coolidge Avenue, of which more particular mention is made hereafter.

The financial condition is very satisfactory. The unusually large amount received in 1906 has not been reached, but the depreciation has been less than two hundred dollars ($200.00), due to a smaller demand for large lots. A total of nine thousand five hundred and thirteen dollars ($9,513.00) was netted from the sale of lots and graves and such an amount has been equalled in only three seasons of the cemetery's existence.

The reason for the unusually large receipts for sales in the past two seasons has been ascribed to the laying out of the knoll section and the portion of the grounds in the vicinity of River Avenue. This has afforded an opportunity to prospective purchasers to have a choice of burial lots.

The reason above alleged is undoubtedly the true one. Unless a reasonable opportunity for choice is afforded to those who are seeking burial places, our citizens will look elsewhere for a suitable lot in which to inter their dead.

Cambridge Cemetery has the available land for a few years more, but unless it is laid out and thus rendered available, the sale of desirable lots will undoubtedly lessen, although in many cases, the intending purchaser would prefer to secure a burial place in this cemetery.

In accordance with recent experience, the Board would, therefore, request an appropriation sufficient to lay out the unused portion of the grounds in the vicinity of Greenwood Avenue.

Should this request be granted, there would be little further construction work to be done, as this is the only part of the grounds which has not been graded and alotted for burial.

It might not be amiss to recall the statement in a former report, "that the policy of allowing just enough appropriation to conduct the ordinary work of the cemetery has been shown to be defective, and the money expended as herein authorized will bring a prompt return to the city treasury."

CARE OF LOTS.

The fund set aside for the perpetual care of lots continues to maintain a healthy growth. During 1907, twenty-four lot owners have placed their holdings in perpetual care and the sum of two thousand five hundred four dollars and ninety-six cents ($2,504.96) has been added to the fund, which now aggregates the amount of seventy-

three thousand five hundred forty-nine dollars and four cents ($73,549.04). The total number of lots under this system is 573.

The practice of thus providing for the preservation and future good appearance of lots is to be commended. When a lot owner arranges for the care of his holding, he is fulfilling a sacred obligation which supplements the efforts of the Board to enhance the beautiful appearance of the grounds. From the earliest days of Cambridge Cemetery, the several boards of commissioners have regarded the tasteful, cleanly appearance of the cemetery as of the utmost importance and the commissioners have contributed their full share to accomplish such an end. The reputation of the city clearly demands the respectable maintenance of the cemetery. This community is not of recent growth. Its children have settled all over our country, and although removed from within the borders they still retain an abiding interest and pride in her progress.

A notable example of this feeling was presented during the exercises attendant upon the observance of "Old Home Week," when, despite the varied attractions offered elsewhere, hundreds of strangers visited the cemetery and had occasion to comment favorably on its appearance. It only remains for the private owners to assist by properly caring for the lots under their control. This care can best be given, and at least expense to the owner, by arranging with the cemetery authorities either by annual order or by taking advantage of the perpetual care system.

The charges are as reasonable as is consistent with good work and are within the reach of most owners of lots. Orders were received to place nine hundred and ninety-nine (999) lots and graves in annual care.

CEMETERY WALL.

For several years it has been apparent that steps should be taken to erect a suitable fence to enclose the grounds on the Coolidge Avenue side.

The old wall which had served so long a period was becoming disintegrated and reduced to such a condition that it could little longer serve the purpose of its existence.

The Board had wished to continue the iron and stone fence heretofore erected on Coolidge Avenue until eventually the entire cemetery ground fronting on that avenue would have a boundary fence of the same appearance.

From the estimates obtained, the cost of continuing this fence was prohibitive and another remedy was sought. After conference with City Engineer Hastings it was finally decided to use the old wall as far as practicable, repairing only, where that would suffice and entirely rebuilding the worn-out portions. This plan has been followed. The old wall has been renovated for a distance of about six hundred and eighty (680) feet, the old stone being used wherever suitable, and a concrete capping has been placed over a distance of two hundred and seventy-two (272) feet.

This capping has been prepared by the force at the cemetery under the immediate supervision of the Superintendent. The whole work has been carried on with such economy that the Board has been enabled to complete much more of the wall than had been deemed possible.

A section in length about seven hundred (700) feet remains to be rebuilt and capped and when finished the wall will be one entirely suitable to its purpose and appropriate to the surroundings.

Of the money already expended, more than one-half of the total, approximating six hundred dollars ($600.00), has been for labor. This work should be continued during the ensuing season, and it is hoped that enough money may be appropriated to complete the entire frontage.

The sum of five hundred dollars ($500.00) will be required for the coming season for this purpose.

LOT: SPANISH WAR VETERANS.

In the last report, comment was made on the request of the City Council for the laying out of a portion of the cemetery lands for the use of the Spanish War Veterans, and it was noted that the request was under consideration.

At the meeting of the Board held on December 27, 1906, a plan of a lot was submitted, and the following vote was passed, viz.:—

"VOTED, That the sketch of the land at the corner of Lincoln Path and Weigelia Avenue, according to plan prepared by the City Engineer of Cambridge, Mass., dated December 5, 1906, said sketch showing the allotment of one hundred and thirty-one (131) graves, be recommended by this Board for the use of the Spanish War Veterans, whose remains may be interred in such lots under the regulations hereafter adopted. The aforesaid plan is numbered 1454-2 and is on file in the office of the City Engineer of Cambridge, Mass.

VOTED, That notice of the aforesaid recommendation be transmitted to the City Council."

Subsequently, on May 27th last, a conference was had at the cemetery between the Committee on Public Property of the City Council, and this Board, at which were also present representatives from the Veterans of the Civil War and those of the Spanish War.

The available locations were examined and eventually resulted in the choice of the location heretofore suggested by this Board.

Accordingly, on September 30, 1907, the following vote was passed, viz.:

"VOTED, That a plot of land in Cambridge Cemetery bounded northerly by Weigelia Path and westerly by Lincoln Path and containing one hundred and thirty-one (131) graves, as designated on a plan dated December 5, 1906, and on file in the office of the City Engineer of Cambridge, Mass., and numbered 1454-2, be and hereby is set apart as an additional Soldiers' and Sailors' Lot for the honorable burial of those soldiers and sailors of the late war with Spain who may die within the limits of the City of Cambridge, and for whose interment their relatives may be unable to provide proper means, or who, having no relatives, do not leave sufficient property to pay for suitable burial. It is further

"VOTED, That the Superintendent of the Cemetery be and hereby is instructed—upon being notified of the decease within the city of any soldier or sailor, as designated in the aforesaid vote, and on receiving a proper certificate signed by His Honor, the Mayor, or his legal representative—to arrange for the suitable and becoming interment of the remains of such deceased soldier or sailor, in accordance with the provisions of the aforesaid vote."

The site selected is in a part of the cemetery conspicuous alike for its location, being near the main entrance, and for the beauty of its surroundings. It is adjacent to the lot for Veterans of the Civil War and in a section already hallowed by the presence of the patriotic dead.

The Superintendent reports the following statistics:—

Interments for 1906	589
Interments, total	27,589
Interments, Overseers of the Poor)	33
Lots sold	49
Graves sold	151
Lots ready for sale	130
Estimated value of same	$43,095 60

Graves ready for sale	473
Estimated value of same	$7,095 00
Foundations laid	131
Brick and slate graves laid	18

JOHN LYNCH, Chairman,
WILLIAM A. BERTSCH,
HERBERT A. CHASE,
JOHN S. CLARY,
SAMUEL USHER,
GUSTAVE WILSON,

Commissioners.

REPORT OF THE SCHOOL COMMITTEE FOR 1907

In compliance with Section 44 of the Rules of the School Board, the Superintendent herewith submits his third annual report, it being for the year ending December 31, 1907:—

The following pages contain an account in great detail of the Cambridge schools for the year 1907. The tables of statistics follow the plan and the forms of other years, and are of value as showing comparative expenditures, and, as far as figures can, the results of the work in the schools. In Cambridge the public school system is remarkably complete.

The sixteen kindergartens are sufficient in number to furnish this elementary training to all children of kindergarten age who apply. They are so distributed over the city that there is a school of this kind within a reasonable distance of practically every home.

The primary schools, which as well as the kindergartens are under the special care of a supervisor of skill and experience, are not hampered by hard and fast divisions and grades, but receive the children who have not had previous school experience into classes for beginners twice in the year, and then advance them as rapidly as the varying ability of individual pupils will permit.

The ungraded rooms, in which children are taught who are too old to be in the primary schools, but who are not ready for the grammar grades, are doing an important work. In these rooms the teaching is largely individual, and from them the pupils are advanced to higher grades whenever they are prepared.

The grammar school courses are planned and administered with the thought of ample provision and encouragement for young people of varying ability. The courses are so arranged that children who do the work easily may progress rapidly and so may not suffer the discouraging and energy destroying effects of being delayed and held back by those whose proper rate of progress is more moderate. The courses are arranged also for the benefit of those children who for a time need special care, attention, and encouragement as they develop at their normal rate.

The plan that permits and encourages pupils to do the grammar school work regularly in four, five, or six years is a clear recognition of the principle of ample provision for persons of varying ability. This varying ability to do school work may depend upon one or several of

a number of causes or conditions such as age, previous training, health, physical development, employment out of school hours, power of application, and mental concentration. The special teacher in each grammar school, whose duty and privilege it is to give direction to pupils who are progressing faster than what may be called a normal rate, and also to give help to those who are in need of special care, holds a place of importance in this system.

The three high schools, each occupying its own peculiar field, are so organized that any pupil at the completion of the grammar school course may enter upon a secondary school course which has a definite aim and purpose.

The Latin School course carries on the work of preparation for college.

The English High School with its general course, its commercial course, and its domestic science course, fits pupils for the State normal schools, and gives a preparation for entrance upon active life to pupils who do not intend to continue their studies in higher institutions.

The Rindge Manual Training School in its general course, its college course, and its commercial course, gives boys an academic preparation together with manual dexterity through knowledge of tools, machinery, and mechanical processes acquired in shops, for business life or for higher scientific institutions.

The system is remarkably complete. Its success depends upon the power of teachers and school officials, individually and collectively, to hearten the young people for whose guidance and instruction the schools exist.

The system was tested in the year 1907 in more than sixteen thousand different ways by the more than sixteen thousand children who were in the schools. It succeeded in proportion to the increase of knowledge, of power, and of self-control that it gave to the children of Cambridge.

POPULATION OF CAMBRIDGE.

1855	20,473	1885	59,660
1865	29,112	1895	81,643
1875	47,838	1905	97,434

SCHOOL CENSUS.

Number of children in the city five years old or more, but less than fifteen.

1875 (taken in May)	8,128	1905 (taken in September)	15,858
1885 (taken in May)	10,957	1906 (taken in September)	15,929
1895 (taken in May)	12,869	1907 (taken in September)	16,110

Schools and Classrooms.

December, 1907.

*Latin School	1	Classrooms in use	16
†English High School	1	" " "	12
‡Rindge Manual Training School	1	" " "	15
*a*Grammar Schools	5	" " "	70
*b*Grammar and Primary Schools	13	" " "	154
Primary Schools	15	" " "	80
Kindergartens	16	" " "	16
Evening High School	1	" " "	11
Evening Drawing Schools	2	" " "	4
Evening Industrial School	1	" " "	4
Evening Elementary Schools	4	" " "	32
Whole number of Day Schools			52
Whole number of classrooms for Day Schools			363
Whole number of Evening Schools			8
Whole number of classrooms for Evening Schools			51

*This school has a library, a chemical laboratory, a physical laboratory, a lecture room, a gymnasium, an assembly hall, and recitation rooms.

†This school has an assembly hall, a lecture room, a chemical laboratory, a physical laboratory, a drawing room, and recitation rooms.

‡This school occupies three buildings and has an assembly hall, chemical and physical laboratories, drawing rooms, recitation rooms, and rooms for various kinds of shopwork.

*a*Four of these schools have assembly halls.

*b*Nine of these have assembly halls.

Number of Teachers in the Day Schools.

[The directors of special studies and the teachers of sewing are included in the totals.]

December	Latin School	English High School	Manual Training School	Grammar Schools	Primary Schools	Kindergartens	Total
1903	23	24	16	183	142	29	428
1904	23	24	19	187	142	29	435
1905	24	24	22	191	144	32	*451
1906	25	25	22	199	143	31	*459
1907	25	26	25	199	143	31	*464

*Four unassigned teachers are included in the total for 1905, 1906, and 1907.

Attendance at All the Day Schools.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1903	16,394	14,397	13,250	92.0
1904	16,257	14,454	13,361	92.4
1905	16,381	14,606	13,550	92.8
1906	16,740	14,907	13,855	92.9
1907	16,803	14,957	13,878	92.8

ATTENDANCE AT THE LATIN SCHOOL.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1903	501	474	451	94.9
1904	516	487	465	95.5
1905	564	531	506	95.2
1906	577	530	508	95.8
1907	544	489	471	96.3

ATTENDANCE AT THE ENGLISH HIGH SCHOOL.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1903	583	493	470	95.3
1904	605	556	530	95.4
1905	595	550	525	95.5
1906	619	570	545	95.8
1907	666	594	570	95.9

ATTENDANCE AT THE MANUAL TRAINING SCHOOL.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1903	300	262	251	95.9
1904	351	315	302	95.9
1905	426	396	377	95.1
1906	489	440	417	94.7
1907	475	428	409	95.6

ATTENDANCE AT THE GRAMMAR SCHOOLS.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1903	7,279	6,725	6,306	93.8
1904	7,322	6,701	6,316	94.3
1905	7,457	6,713	6,331	94.3
1906	7,412	6,887	6,508	94.5
1907	7,869	7,192	6,783	94.3

Attendance at the Primary Schools.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1903	6,711	5,755	5,227	90.8
1904	6,534	5,705	5,194	91.0
1905	6,359	5,629	5,173	91.9
1906	6,682	5,738	5,273	91.9
1907	6,324	5,551	5,092	91.7

Attendance at the Kindergartens.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1903	1,020	688	545	79.2
1904	929	690	554	80.2
1905	980	787	638	81.1
1906	961	742	604	81.3
1907	925	703	553	78.7

Number of Pupils Admitted to the Lowest Grade of the Latin School.

Course, 5 years.

Year	Boys	Average Age	Girls	Average Age
1903	65	14 years 4 months	80	14 years 5 months
1904	67	14 years 5 months	91	14 years 7 months
1905	61	14 years 6 months	92	14 years 8 months
1906	67	14 years 2 months	85	14 years 2 months
1907	64	14 years 3 months	85	14 years 3 months

Number of Pupils Graduated from the Latin School.

Course, 5 years.

Year	Boys	Average Age	Girls	Average Age
1903	18	18 years 4 months	31	18 years 10 months
1904	19	18 years 1 month	31	18 years 9 months
1905	40	18 years 11 months	30	18 years 7 months
1906	27	18 years 6 months	32	18 years 8 months
1907	22	18 years 11 months	35	18 years 4 months

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE ENGLISH HIGH SCHOOL.

Year	Boys	Average Age	Girls	Average Age
1903	58	14 years 8 months	192	15 years 0 months
1904	24	14 years 5 months	186	15 years 0 months
1905	10	14 years 6 months	209	14 years 6 months
1906	17	14 years 6 months	233	14 years 11 months
1907	4	13 years 4 months	254	14 years 10 months

NUMBER OF PUPILS GRADUATED FROM THE ENGLISH HIGH SCHOOL.

Year	Boys	Average Age	Girls	Average Age
1903	15	18 years 8 months	58	18 years 7 months
1904	12	18 years 7 months	64	18 years 9 months
1905	13	18 years 10 months	61	18 years 9 months
1906	7	17 years 7 months	67	18 years 5 months
1907	11	19 years 1 month	108	18 years 7 months

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE MANUAL TRAINING SCHOOL, WITH THE NUMBER OF GRADUATES.

Year	Admitted	Average Age	Graduated	Average Age
1903	144	15 years 2 months	38	18 years 7 months
1904	194	15 years 0 months	30	18 years 3 months
1905	199	15 years 0 months	32	18 years 7 months
1906	167	14 years 11 months	45	18 years 9 months
1907	203	15 years 0 months	33	19 years 0 months

NUMBER OF PUPILS GRADUATED FROM THE GRAMMAR AND PRIMARY SCHOOLS.

Year	Grammar Schools Course, 6 years	Average Age	Primary Schools Course, 3 years	Average Age
1903	648	14 years 9 months	1,428	9 years 5 months
1904	708	14 years 10 months	1,444	9 years 6 months
1905	720	14 years 10 months	1,427	9 years 6 months
1906	713	14 years 9 months	1,609	9 years 5 months
1907	735	14 years 9 months	1,467	9 years 5 months

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE GRAMMAR SCHOOLS.

Year	In 4 years	In 5 years	In 6 years	In 7 years or more
1903	6 per cent	26 per cent	53 per cent	15 per cent
1904	5 per cent	28 per cent	52 per cent	15 per cent
1905	6 per cent	28 per cent	53 per cent	13 per cent
1906	6 per cent	27 per cent	51 per cent	16 per cent
1907	6 per cent	27 per cent	50 per cent	17 per cent

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE PRIMARY SCHOOLS.

Year	In 2 years	In 2½ years	In 3 years	In 3½ years	In 4 years	In 4½ years or more
1903	3 per cent	2 per cent	60 per cent	5 per cent	22 per cent	8 per cent
1904	3 per cent	3 per cent	54 per cent	6 per cent	24 per cent	10 per cent
1905	2 per cent	1 per cent	60 per cent	6 per cent	21 per cent	10 per cent
1906	4 per cent	1 per cent	58 per cent	4 per cent	25 per cent	8 per cent
1907	2 per cent	2 per cent	61 per cent	3 per cent	23 per cent	9 per cent

NUMBER OF PUPILS IN THE LATIN SCHOOL, DECEMBER, 1907.

Grade	Boys	Girls	Total	Per cent
Fourteenth	31	45	76	.147
Thirteenth	36	38	74	.143
Twelfth	34	65	99	.192
Eleventh	53	67	120	.232
Tenth	63	85	148	.286
Total	217	300	517	

NUMBER OF PUPILS IN THE ENGLISH HIGH SCHOOL, DECEMBER, 1907.

Grade	Boys	Girls	Total	Per cent
Thirteenth	7	76	83	.137
Twelfth	5	93	98	.161
Eleventh	3	166	169	.278
Tenth	4	247	251	.413
Specials	1	6	7	.011
Total	20	588	608	

NUMBER OF PUPILS IN THE MANUAL TRAINING SCHOOL, DECEMBER, 1907.

Grade	Boys		Per cent
Thirteenth	62	This school is for boys only. It became a part of the public school system, January 1, 1899.	.122
Twelfth	87		.171
Eleventh	168		.331
Tenth	191		.376
Total	508		

NUMBER OF PUPILS IN THE GRAMMAR SCHOOLS, DECEMBER, 1907.

Grade	Boys	Girls	Total	Per cent
Ninth	293	384	677	.092
D	61	56	117	.016
Eighth	383	471	854	.115
C	77	76	153	.021
Seventh	555	547	1,102	.149
Sixth	643	616	1,259	.170
B	112	119	231	.031
Fifth	696	624	1,320	.178
A	135	166	301	.041
Fourth	761	625	1,386	.187
Total	3,716	3,684	7,400	

NUMBER OF PUPILS IN THE PRIMARY SCHOOLS, DECEMBER, 1907.

Grade	Boys	Girls	Total	Per cent
Third	944	826	1,770	.307
Second	907	797	1,704	.295
First	1,208	1,085	2,293	.398
Total	3,059	2,708	5,767	

NUMBER OF PUPILS AND TEACHERS IN THE KINDERGARTENS.

Year	Boys	Girls	Total	Number of Teachers
1904	378	364	742	29
1905	415	419	834	32
1906	398	402	800	31
1907	404	376	780	31

NUMBER OF PUPILS REGISTERED IN THE EVENING DRAWING SCHOOLS, WITH THE AVERAGE ATTENDANCE.

	1904	1905	1906	1907
Number registered.....	167	188	220	193
Average attendance.....	102	115	94	84

NUMBER OF PUPILS REGISTERED IN THE EVENING INDUSTRIAL SCHOOL, WITH THE AVERAGE ATTENDANCE.

	1904	1905	1906	1907
Number registered.....	....	....	50	92
Average attendance.....	....	...	33	51

NUMBER OF PUPILS REGISTERED IN THE EVENING HIGH AND ELEMENTARY SCHOOLS, WITH THE AVERAGE ATTENDANCE.

	1904	1905	1906	1907
Number registered.....	1,795	2,306	2,262	2,367
Average attendance.....	720	893	977	962

NUMBER OF PUPILS IN THE PRIVATE SCHOOLS IN CAMBRIDGE, INCLUDING THOSE IN THE PAROCHIAL SCHOOLS.

1902	1903	1904	1905	1906	1907
3,451	3,711	4,047	4,100	4,068	4,227

NUMBER OF AGE AND SCHOOLING CERTIFICATES ISSUED.

1902	1903	1904	1905	1906	1907
507	565	578	666	851	868
*354	*655	*859	*749	*1,137	*857

* Issued to minors over 16 years of age, in accordance with the law of 1902.

Cost of Instruction in the Day Schools.

[Salaries of teachers, superintendent, supervisor, agent, clerks, and truant officers.]

Year	Number of Teachers in December	Average Number of Pupils	Whole Cost	Cost per Pupil
1876	176	7,066	$164,818 00	$23 32
1880	182	7,175	130,371 75	18 17
1884	216	8,414	152,290 62	18 09
1888	241	9,756	175,773 80	18 02
1892	284	10,861	207,144 22	19 07
1896	337	11,957	245,104 01	20 50
1900	409	13,816	326,512 34	23 63
1902	417	14,244	343,787 00	24 14
1903	428	14,397	349,179 80	24 25
1904	435	14,454	356,406 89	24 66
1905	*451	14,606	366,448 39	25 09
1906	*459	14,907	377,343 02	25 31
1907	*464	14,957	385,927 00	25 80

Cost of the Day Schools.

[This includes the cost of instruction, of text-books and supplies, of incidental expenses, of the care of truants, of the care and † repair of schoolhouses, and of the transportation of pupils.]

Year	Number of Teachers in December	Average Number of Pupils	Whole Cost	Cost per Pupil
1876	176	7,066	$200,894 09	$28 43
1880	182	7,175	153,967 56	21 45
1884	216	8,414	203,234 56	24 15
1888	241	9,756	225,408 57	23 10
1892	284	10,861	266,651 02	24 55
1896	337	11,957	316,090 83	26 44
1900	409	13,816	417,554 00	30 22
1902	417	14,244	427,356 71	30 00
1903	428	14,397	429,554 39	29 84
1904	435	14,454	450,310 44	31 15
1905	*451	14,606	462,412 09	31 66
1906	*459	14,907	464,529 43	31 16
1907	*464	14,957	488,636 18	32 67

Cost of Instruction in the Evening Schools.

Year	Drawing	Industrial Training	High	Elementary	Total
1903	$1,428 00	.....	$1,683 00	$5,000 50	$8,111 50
1904	1,343 00	.....	1,577 50	5,708 00	8,628 50
1905	1,491 00	$180 00	1,709 00	6,436 00	9,816 00
1906	1,647 00	788 00	1,830 00	7,440 50	11,705 50
1907	1,274 00	831 00	1,380 00	5,587 00	9,072 00

* Four unassigned teachers are included.

† In accordance with the statutory definition of the support of public schools, the cost of the repair of schoolhouses has not been included in the cost of the schools since 1902 and will not be in the future.

FINANCES

(For the financial year ending December 1, 1907.)

Cost of instruction in the day schools	$385,927 00
Cost of instruction in the evening schools	9,072 00
Cost of care of buildings, including heat and light, day schools	74,504 79
Cost of care of buildings, including heat and light, evening schools	3,526 17
Cost of text-books and supplies, day schools	23,063 37
Cost of text-books and supplies, evening schools	435 65
Expended for the care of truants	2,654 71
Expended on flags and flagstaffs	32 40
Expended for incidentals	2,231 91
Expended for transportation of pupils	222 00
Expended on vacation schools	1,913 39
Expended on Houghton schoolhouse	3.720 60
Expended for land in the vicinity of the Taylor School	2,500 00
Expended on addition to the Wellington schoolhouse	39,763 32
Expended for furniture	2,877 27
Expended for repairs to buildings, furniture, etc.	12,671 66
Expended for sundry labor about school buildings	3,587 20
	$568,703 44
Deducting from the above the amount received for the tuition of State and Boston city wards, $1,002.00, the tuition of non-resident pupils, $5,849.00, the amount received for sales of and damages to books, $826.51, and the amount received for the sale of old material in the building department, $17.10	7,694 61
The actual cost of the schools to the city is	*$561,008 83
Assessed value of real and personal estate, May, 1907	$107,009,290 00
Ratio of expenditure for school purposes to the valuation of 1907	.0052
Ratio of expenditure for school purposes to the valuation of 1907, omitting extraordinary expenses at the Houghton, Taylor, and Wellington schools	.0048

*The amount given above is the actual cost of the schools for 1906-1907. It differs from the amount given by the city auditor, as expenditures were made and bills were approved by the school committee in 1906 for $4,750.55 for text-books, $623.97 for the care of truants, and $667.73 for incidental expenses, a total of $6,042.25, which was not paid until the financial year 1906-1907.

TABULAR VIEW.

DECEMBER 31, 1907.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1907.
Latin	William F. Bradbury	$3,000	517
	Isaac B. Burgess	1,900	
	Cecil T. Derry	1,150	
	John I. Phinney	2,000	
	Alfred R. Wightman	1,400	
	Arthur E. Wood	850	
	Helen M. Albee	950	
	Alice C. Baldwin	950	
	Almira W. Bates	900	
	Margaret S. Bradbury	900	
	Isabel S. Burton	950	
	Alice D. Chamberlain	950	
	Margaret C. Cotter	750	
	Caroline Drew	950	
	Nellie E. Fawcett	850	
	Elizabeth B. Flanders	850	
	Margaret J. Griffith	850	
	Mary C. Hardy	950	
	Rose Hardwick	950	
	Mabel E. Harris	950	
	Helen W. Munroe	950	
	Louisa P. Parker	950	
	Lena G. Perrigo	950	
	Ethel V. Sampson	950	
	Jennie S. Spring	950	
	*Annie S. Dodge	650	
English High	Ray Greene Huling	3,000	608
	Richard Benson	1,110	
	Chester M. Bliss	1,700	
	Joseph A. Coolidge	1,800	
	Chester M. Grover	1,700	
	Grace L. Deering	1,200	
	Caroline Close	950	
	Bertha L. Cogswell	950	
	Gertrude H. Crook	950	
	Mary L. Cunningham	950	
	Grace E. Dennett	800	
	Esther S. Dodge	950	
	Elizabeth L. Huling	800	
	Ellen P. Huling	750	
	Katherine H. James	950	
	Jeannie B. Kenrick	950	
	Maud A. Lawson	950	
	Henrietta E. McIntire	950	
	Mary Moulton	950	
	Lillian C. Rogers	950	
	Caroline A. Sawyer	950	
	Florence W. Smith	950	
	Martha R. Smith	950	
	Delia M. Stickney	1,200	

* Secretary and Librarian.

TABULAR VIEW—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1907.
English High, Continued.	Annie F. Stratton	$950	
	Mabel D. Watson	950	
	*Martha L. Babbitt	650	
Rindge Manual Training	John W. Wood, Jr.	2,700	508
	†Myra I. Ellis	1,350	
	Helen W. Metcalf	950	
	Florence Waugh	850	
	Nathaniel H. Atkins	1,500	
	Francis L. Bain	1,200	
	Robert W. Broderick	400	
	John F. Cole	1,000	
	James F. Conlin	1,200	
	Richard H. Gallagher	1,400	
	Harry D. Gaylord	1,200	
	Frederick G. Getchell	1,300	
	Evan W. Griffiths	1,300	
	William O. Hubbard	1,000	
	Harold M. Jones	1,200	
	Gustaf A. Lundquist	1,100	
	James E. MacWhinnie	1,450	
	Edward R. Markham	1,500	
	Joseph M. Norton	1,150	
	Harry E. Rich	1,150	
	Charles H. Richert	950	
	Sidney F. Smith	1,400	
	Charles E. Stratton	1,400	
	James G. Telfer	1,500	
	Frederick L. Thurston	1,100	
	Albert L. Ware	1,500	
	*Myrta E. Smith	650	
Agassiz, Grammar	Maria L. Baldwin	1,000	150
Agassiz, Primary	Edith C. Arey	700	134
	Frances W. Dawson	700	
	Lillian G. Goodwin	700	
	Mary A. Parsons	700	
	Grace C. Stedman	700	
	Abby S. Taylor	700	
	Agnes L. Tracy	700	
Boardman, Primary	Elizabeth J. Karcher	790	331
	Mabel E. Blake	700	
	Lillian M. Cuddy	600	
	Blanche M. Gould	600	
	Malvina M. Joslin	700	
	Lucy A. Roper	450	
	Jennie B. Ross	650	
	Lucy A. Witham	700	
Cushing, Primary	Maude A. Deehan	760	75
	Sarah C. McManama	450	

* Secretary and Librarian.
† On leave of absence in accordance with Section 69 of the Rules of the School Committee.

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1907.
Ellis, Grammar	Edward O. Grover	$2,200	527
	Ernest Libby	1,100	
	Nellie A. Hutchins	900	
	Caroline L. Blake	800	
	Adelaide G. Bunker	750	
	Emma A. Faulkner	700	
	Lottie L. Griswold	700	
	Louise H. Griswold	700	
	Ellen J. Hunt	700	
	Flora C. Ingraham	700	
	Ida J. Mahoney	650	
	Sarah W. Mendell	700	
	Mary A. Stephenson	700	
	Josephine C. Wyman	700	
Felton, Primary	C. Florence Smith	770	161
	Marcia R. Bowman	700	
	Carrie H. Smith	700	
	Eleanor M. Stevens	700	
Fletcher, Grammar	George B. Colesworthy	1,700	392
Fletcher, Primary	Nellie A. Coburn	900	355
	Frances E. Higgins	750	
	Gertrude M. Baker	600	
	Mary I. Chapin	700	
	Ellen A. Cheney	700	
	Mary B. Cole	600	
	Mary A. Doran	700	
	Mary N. Flewelling	600	
	Katherine A. Gaskill	700	
	Elmira F. Hall	700	
	Julia M. Horgan	450	
	Martha B. Perkins	700	
	Marion Prescott	700	
	Susan L. Senter	700	
	Eva A. Taylor	700	
	Gertrude M. Webster	600	
	Emma G. Wentworth	700	
Gannett, Primary	Mary A. Rady	775	171
	Annie M. Billings	700	
	Margaret F. Sanderson	700	
	Gertrude T. Sullivan	700	
Gore, Primary	Frances E. Pendexter	810	410
	Charlotte A. Callahan	700	
	Katherine L. Dolan	700	
	Mary L. Donovan	600	
	Minnie A. Doran	700	
	Kate A. Hegarty	700	
	Katherine L. McElroy	700	

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1907.
Gore, Primary, Continued.	Julia G. McHugh	$700	
	Olive I. McNulty	550	
	Mary E. Mulloney	750	
	Anastasia Peters	700	
	Nora E. Reardon	700	
Harvard, Grammar	Thomas W. Davis	2,200	731
	William L. MacGregor	1,300	
	Margaret B. Wellington	900	
	Estella J. French	800	
	Annie M. Street	750	
	Addie L. Bartlett	700	
	Esther L. Cogan	500	
	M. Blanche Craig	550	
	Frances Fabyan	700	
	Margaret M. Fearns	700	
	Annie B. Lowell	700	
	Josephine MacDonald	700	
	Gertrude P. McCusker	550	
	Waitie M. Nash	700	
	Laura L. Parmenter	700	
	Louise C. Patterson	700	
	Elizabeth L. Setchell	700	
	Hortense O. Young	700	
Holmes, Primary	Susan E. Wyeth	760	64
	Catherine M. Doran	600	
Houghton, Grammar	John W. Freese	2,200	480
Houghton, Primary	Blanche E. Townsend	900	91
	Alice P. Fay	750	
	Grace D. Beckwith	700	
	Katherine F. Callahan	700	
	Eldora J. Clark	700	
	Mary L. Ells	700	
	Katharine M. Greene	600	
	Gertrude A. Kenney	550	
	Winifred L. Kinsley	700	
	Emma Penney	700	
	Margaret J. Penney	700	
	Anna G. Scannell	600	
	Hattie Shepherd	700	
	Mary G. Snow	550	
Kelley, Grammar	H. Warren Foss	1,500	369
Kelley, Primary	Catharine A. McLean	800	334
	Ellen A. Kidder	750	
	Ellen T. Carroll	450	
	Olive L. Cook	650	
	Josephine Day	700	

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1907.
Kelley, Continued.....	Maude M. Dutton.....	$700	
	Mary L. Feeny.....	450	
	Lucy M. Fletcher.....	700	
	Carrie M. Ford.....	650	
	Jennie C. Hardy.....	700	
	Emma J. Houlahan.....	700	
	Mary E. Moran.....	600	
	Ethel I. Murch.....	700	
	Eva G. Oakes.....	700	
	Esther D. Paul.....	700	
	Carrie L. Power.....	700	
	Mary E. Regan.....	700	
Lassell, Primary.....	Frances E. Whoriskey....	770	186
	Rose V. Collier.....	700	
	Elizabeth B. Gahm.....	700	
	Mary E. Whoriskey.....	700	
Lowell, Grammar.....	Eusebia A. Minard.....	770	37
Lowell, Primary.....	Agnes J. McElroy.....	700	70
	Cora B. Poole.....	600	
Merrill, Primary.....	Louise W. Harris.....	785	243
	Julia M. Davis.....	700	
	Henriette E. de Rochemont	700	
	Daisy E. Haynes.....	700	
	Marion B. Magwire.....	700	
	Gertrude S. Thayer.....	650	
	Nellie F. Walker.....	700	
Morse, Grammar.....	Mary A. Townsend.....	2,200	437
Morse, Primary.....	Mary E. Towle.....	900	223
	Clintina E. Curtis.....	750	
	Ida J. Holmes.....	750	
	Elizabeth J. Baldwin.....	700	
	Edith M. Carman.....	600	
	Elsie H. Cooter.....	450	
	Christina R. Donovan.....	700	
	Florence E. Hunter.....	700	
	Alice E. May.....	700	
	Helen Montague.....	700	
	Anna A. O'Connell.....	700	
	Ella M. Pinkham.....	700	
	Elizabeth H. Richards....	700	
	Lucy M. Soulée.....	700	
	Bertha J. Waldron.....	700	
	Mary E. Warren.....	700	
	Constance E. Yeames.....	550	
Otis, Primary.....	Ellen N. Leighton.....	785	284
	Frances Allen.....	700	

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1907.
Otis, Primary, Continued.	Anna E. Callahan	$700	
	Josephine M. Doherty	700	
	Nettie I. Haff	500	
	Luella M. Marsh	700	
	Anna N. Sullivan	700	
	Margaret Sullivan	700	
Parker, Primary	Mary A. Knowles	780	218
	Mattie S. Cutting	700	
	Harriet R. Harrington	700	
	Agnes Marchant	700	
	Mary E. Mullins	650	
	Mary E. White	700	
Peabody, Grammar	Frederick S. Cutter	2,200	384
Peabody, Primary	Charlotte A. Ewell	900	173
	Sylvia L. Williams	750	
	Anna F. Bellows	750	
	*Susan C. Allison	700	
	Bernice E. Bartlett	450	
	Florence E. Bunton	450	
	Katherine L. Carr	700	
	Helen E. Hazard	700	
	Ida M. Holden	700	
	Mary L. Perley	650	
	Isadore M. Thompson	650	
	Dora Trefethen	700	
	Alice M. Tufts	700	
	Madeleine Wood	450	
Putnam, Grammar	Frederick B. Thompson	2,200	613
	James E. White	1,400	
	Maude M. Mixer	900	
	Eliza S. Paddack	800	
	Grace Clark	750	
	Mary A. Carmichael	700	
	Martha Chisholm	650	
	Anna L. P. Collins	700	
	Sarah M. Grieves	700	
	Annie B. Josselyn	700	
	Nellie A. Kerrigan	650	
	Jane E. McKearin	500	
	Margaret F. O'Keefe	700	
	Annie M. R. Sturtevant	450	
	Annie A. Trelegan	700	
	Minnie F. Wilson	700	
Reed, Primary	Margaret T. Burke	770	160
	Elizabeth G. Nelligan	700	
	Julia A. Robinson	700	
	Clara W. Ruggli	700	

*On leave of absence in accordence with Section 69 of the Rules of the School Committee.

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1907.
Riverside, Primary	Elizabeth A. Tower	$770	185
	Amanda M. Alger	700	
	Mary A. Burke	700	
	Hattie A. Thayer	700	
Roberts, Grammar	W. Mortimer MacVicar	2,200	627
Roberts, Primary	Sara A. Bailey	900	71
	Emily R. Pitkin	750	
	Susan M. Adams	700	
	Mary Blair	700	
	Elizabeth M. Breslin	700	
	Mary M. Brigham	700	
	Faith Foxcroft	600	
	Mary F. Hill	600	
	Susan L. Keniston	700	
	Evelyn B. Kenney	700	
	Marjorie H. Lenox	500	
	Ada M. Litchfield	700	
	Sarah E. Magurn	450	
	Rose A. Murray	650	
	Ida G. Smith	700	
	Gertrude A. White	600	
	Caroline M. Williams	700	
Russell, Grammar	Arthur C. Wadsworth	2,200	362
Russell, Primary	Mary S. Bingham	900	119
	*Carrie J. Allison	700	
	R. Marjorie Bourne	500	
	Fannie P. Browning	700	
	Ella E. Buttrick	700	
	Mary A. Connelly	700	
	Louise F. James	600	
	Anna M. Lyons	700	
	Louise I. MacWhinnie	650	
	H. Maud Maclean	700	
	Edith M. O'Brien	600	
	Gertrude E. Russell	700	
Shepard, Grammar	Evelyn J. Locke	1,000	281
Shepard, Primary	Mary F. Calnane	700	106
	Florence M. Dudley	700	
	Alice M. Gage	700	
	Mary M. Gilman	700	
	Dora Leadbetter	650	
	Theresa H. Mahoney	700	
	Elizabeth J. O'Keefe	600	
	Ellen T. O'Keefe	700	
	Anna E. Welch	650	
Sleeper, Grammar	A. Estelle Ingraham	1,000	132
Sleeper, Primary	Emily Bissell	700	162

* On leave of absence in accordance with Section 69 of the Rules of the School Committee.

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1907.
Sleeper, Continued.....	Butella E. L. Conland.....	$700	
	Evelyn M. Dormer.....	700	
	Elizabeth O. Haynes.....	700	
	Melissa M. Lloyd.....	700	
	Mary A. Macklin.....	700	
	Lillian G. Pattinson.....	450	
	*Blanche C. Trefethen.....	700	
Tarbell, Primary.....	Emma J. Young.....	770	187
	Florence J. Alley.....	700	
	Carrie P. Pierce.....	700	
	Anna H. Welsh.....	700	
Taylor, { Grammar.....	Ella R. Avery.....	1,000	{ 137
{ Primary.....	Mary A. Boland.....	700	{ 263
	Lillian M. Canty.....	700	
	Alice V. Carmichael.....	450	
	Lillian W. Davis.....	700	
	Emily M. Dowd.....	550	
	Mabel A. Gauthier.....	450	
	Winifred B. Goodwillie...	550	
	Cecilia F. Leahy.....	750	
	Mary A. Maguire.....	650	
Thorndike, Grammar.....	Ruel H. Fletcher.....	2,200	493
	Harriet A. Townsend.....	900	
	Lydia A. Whitcher.....	800	
	Laura A. Westcott.....	750	
	Flora E. Cooter.....	700	
	Jennie W. Cronin.....	700	
	Grace W. Fletcher.....	700	
	Eulalia L. Herald.....	700	
	Lillian H. Kenney.....	700	
	Margaret M. Mahoney....	500	
	Ethel M. McLeod.....	600	
	Cora L. Mulrey.....	500	
	Ellen M. Plympton.....	700	
	Mabel A. Short.....	700	
Webster, Grammar.....	John D. Billings.....	2,200	762
	H. Herbert Richardson....	1,300	
	Alice C. Phinney.....	900	
	Martha N. Hanson.....	800	
	Ada A. Billings.....	750	
	Mabel T. Ashley.....	700	
	Adelaide D. Billings.....	700	
	Charlotte M. Chase.....	700	
	Fanny F. Curtis.....	700	
	Susan I. Downs.....	700	
	Gertrude B. Duffy.....	700	
	Josephine Hills.....	700	

* On leave of absence in accordance with Section 69 of the Rules of the School Committee.

Tabular View—Continued.

Names of Schools		Teachers	Salaries	No. of Pupils Dec. 31, 1907.
Webster, Continued.....		Gertrude I. Johnson.....	$700	
		Carolyn E. Mann.....	700	
		Nora P. Nason.....	700	
		Minnie V. Reid.....	700	
		Harriette E. Shepard.....	700	
		Olive L. Slater.....	700	
Wellington,	Grammar...	Herbert H. Bates.....	2,800	486
	Primary.....	Sarah J. Gunnison.....	1,000	276
		Margaret Kidd.....	1,000	
		Mary I. Vinton.....	1,000	
		Carrie H. Stevens.....	900	
		Grace F. Chamberlain.....	700	
		*Ellen A. Sullivan.....	550	
		Training Class.....	8,013	
Willard, Primary.....		Katharine E. Hayes.....	810	516
		Agalena Aldrich.....	700	
		Elizabeth M. Crowley.....	700	
		Mary L. Dolan.....	700	
		Ella F. Gulliver.....	700	
		Julia S. Gushee.....	700	
		Mary E. G. Harrington...	700	
		Katherine M. Lowell.....	700	
		Mary A. O'Hara.....	700	
		Annie M. Sands.....	550	
		Eliza D. Watson.....	700	
		Grace R. Woodward.....	700	
Wyman, Primary.....		Addie M. Bettison.....	780	199
		Maria J. Bacon.....	700	
		Mary H. Brooks.....	700	
		Georgianna P. Dutcher...	700	
		Genevieve S. Flint.....	700	
Kindergartens	Boardman.....	Florence Rice	700	49
		Agnes M. Quinn.....	500	
	Corlett.....	Annie M. Dodd.....	700	40
		Frances W. Roberts.....	550	
	Gannett.....	Carrie E. Shepherd.....	700	40
		Marion L. Akerman.....	600	
	Gore.....	Selma E. Berthold.....	700	53
		Annie L. Crane.....	600	
	Houghton.....	Edith L. Lesley.....	700	58
		Olive M. Lesley.....	600	
	Lowell.....	Melinda Gates.....	700	33
	Merrill.....	Caroline A. Leighton.....	700	58
		Ethel M. Halliday.....	500	
	Parker.....	Leonice S. Morse.....	700	46
		Ida E. Ward.....	550	
	Peabody.....	Julia L. Frame.....	700	56
		Irene L. Phelps.....	600	

* Secretary and Librarian.

Tabular View—Concluded.

Names of Schools		Teachers	Salaries	No. of Pupils Dec. 31, 1907.
Kindergartens, Continued.	Shaw	Harriette E. Ryan	$700	56
		Gertrude M. Simpson	550	
	Sleeper	Mabel S. Adams	700	51
		Caroline E. Simpson	600	
	Taylor	Mary F. Leland	700	45
		Anna D. Francis	550	
	Wellington	Gertrude M. Gove	700	54
		Carita B. Dickson	500	
	Willard, A.M.	Alice V. McIntire	700	52
		Lucy E. Whipple	600	
	Willard, P.M.	Jennie S. Clough	700	47
		Eva C. Katon	600	
	Wyman	Clara A. Hall	700	42
		Mary E. Valpey	500	
Teachers of Sewing		Agnes Gordon	700	
		Katherine A. Burke	150	
		Nancy T. Dawe	650	
		Alice H. Nay	650	
Substitutes		Alice V. Connelly	450	
		Mary A. Driscoll	500	
		Catherine G. Kelley	450	
		Tina M. King	450	
Unassigned Teachers.				
High School		Emma A. Scudder	450	
Primary Schools		Sally N. Chamberlain	350	
		M. Elizabeth Evans	350	
		Mary E. Sawyer	350	

Director of Music—Frederick E. Chapman	$2,000
Assistant in Music—Annie R. Hooper	800
Director of Drawing—Peter Roos	2,000
Assistant in Drawing—Lucia N. Jennison	800
Director of Nature Study—Sarah E. Brassill	1,000
Director of Physical Training in Grammar and Primary Schools —Sara E. Boudren	950

Instructor in Physical Training in the High Schools—Bessie W. Howard	$950
Superintendent—William C. Bates	3,500
Supervisor of Primary Schools—Mary A. Lewis	1,350
Agent—Sanford B. Hubbard	2,350
Clerks—Althea B. Frost	800
Sadie E. Kimball	700
Porter—John Lemon	700
Truant Officers—Lucian S. Cabot	1,000
John Carmichael	1,000
William H. Porter	1,000
Thomas F. Riley	1,000

Summary.

Number of pupils in the Latin School	517
Number of pupils in the English High School	608
Number of pupils in the Rindge Manual Training School	508
Number of pupils in the Grammar Schools	7,400
Number of pupils in the Primary Schools	5,767
Number of pupils in the Kindergartens	780
Total	15,580
Number of pupils belonging to the public schools in December, 1906	15,475

Increase of pupils, 1907	105
Increase of pupils, 1906	111
Increase of pupils, 1905	289
Increase of pupils, 1904	140
Increase of pupils, 1903	188
Increase of pupils, 1902	253
Increase of pupils, 1901	62
Increase of pupils, 1900	332
Increase of pupils, 1899	314
Increase of pupils, 1898	476
Increase of pupils, 1897	422
Average annual increase of pupils from 1897 to 1907 (inclusive)	245

COST OF INSTRUCTION.

Schools and Officers	Cost of Instruction	Average Number of Pupils	Cost per Pupil
Latin School	$26,923 42	489	$55 06
English High School	28,213 67	594	47 50
Rindge Manual Training School	30,038 93	428	70 18
Training School (Teachers)	15,928 25	694	22 95
Grammar Schools (except Training School)	145,625 72	6,746	21 59
Primary Schools (except Training School)	90,040 17	5,303	16 98
Kindergartens	19,750 35	703	28 09
Directors of Drawing	2,800 00	....	....
Directors of Music	2,690 33	....	....
Director of Nature Study	1,000 00	....	....
Directors of Physical Training	1,824 00	....	....
Teachers of Sewing	2,030 00	....	....
Substitute Teachers	3,446 16	....	....
Superintendent	3,500 00	....	....
Supervisor of Primary Schools	1,315 00	....	....
Agent	2,350 00	....	....
Clerks	1,451 00	....	....
Porter	700 00	....	....
Truant Officers	4,000 00	....	....
Unassigned Teachers	1,500 00	....	....
Rindge Manual Training School, summer sessions for Harvard Students	800 00	....	....
Total	$385,927 00	14,957	$25 80

Cost of instruction in Evening Drawing Schools	$1,274 00
Cost of instruction in Evening Industrial School	831 00
Cost of instruction in Evening High School	1,380 00
Cost of instruction in Evening Elementary Schools	5,587 00
Total	$9,072 00

REMARKS ON THE STATISTICS

The number of pupils registered in the day schools during the school year ending June 26, 1907, was 16,803; the average number belonging was 14,957, and the average daily attendance was 13,878. In the per cent of attendance there has been a decrease of one-tenth of one per cent. The number belonging to the schools in December, 1906, was 15,475; in December, 1907, 15,580, an increase of 105.

The cost of instruction, which includes the salaries of teachers, superintendent, supervisor, agent, clerks, and truant officers, was $385,927.00. The total cost of the day schools, which in accordance with the statutory definition of the support of schools, includes the cost of instruction, text-books and supplies, incidental expenses, care of truants, care of schoolhouses, including the cost of fuel and light, and the transportation of pupils, was $488,636.18.

The registration at the evening schools for the school year 1906-1907 was 2,652, and the average attendance was 1,097. The total cost of these schools, which includes the salaries of teachers, the cost of text-books and supplies, care of schoolhouses, including fuel and light, was $13,033.82.

While Cambridge expends a large amount for her schools, there are *two hundred eighteen* towns and cities in the State which make a larger expenditure in proportion to their wealth. In a list of the thirty-three cities, arranged numerically according to the percentage of their taxable property, appropriated to the support of public schools for the year 1906-1907, Cambridge is the *twenty-first*. In a list of the towns and cities of the State, arranged numerically according to the sum appropriated for each child in the average membership of the public schools, Cambridge is the *forty-first*.

These statistics relating to the schools of the State are taken from the seventy-first annual report of the secretary of the State Board of Education.

TEXT-BOOKS AND SUPPLIES

At a meeting of the Board in December the committee on supplies submitted a detailed report of the expenditures of that committee for the year. The report is as follows:—

In accordance with Section 30 of the Rules of the School Board, the committee on supplies submits its twenty-third annual report, it being for the year ending July 1, 1907:—

Stock in storeroom July 1, 1906	$7,142 58	
Expended from the appropriation	24,507 31	
Value of exchanges	1,303 24	
		$32,953 13
Distributed to schools, officers, etc.	$25,964 14	
Books exchanged	18 42	
Sold for cash	297 78	
		$26,280 34
Stock on hand July 1, 1907		$6,672 79

The purchases and expenditures appear in detail as follows:—

For text-books	$12,138 05	
Desk and reference books	415 08	
Copy books	714 06	
Apparatus and furnishings	1,066 01	
Diplomas, $256.20; printing, $177.50	433 70	
Repairing books, $421.17; tuning pianos, $40.50	461 67	
Expressage and labor	516 09	
Miscellaneous supplies	10,065 89	
		$25,810 55
Less the value of exchanges		1,303 24
		$24,507 31

The net cost of text-books and supplies is as follows:—

Stock on hand July 1, 1906	$7,142 58	
Bills paid by City Treasurer	24,507 31	
		$31,649 89
Stock on hand July 1, 1907	$6,672 79	
Cash paid to City Treasurer, sales and damages	753 46	
		$7,426 25
We have, net cost of all schools and officers		$24,223 64

Or an average cost per pupil of $1.620.
The average cost per pupil for twenty-three years is $1.306.

The annual cost per pupil for text-books and supplies since the introduction of free text-books is as follows:—

Year	Cost per Pupil	Year	Cost per Pupil	Year	Cost per Pupil
1885	$1.880	1893	$1.109	1901	$1.203
1886	1.170	1894	1.243	1902	1.400
1887	1.051	1895	1.152	1903	1.306
1888	1 068	1896	1.436	1904	1.468
1889	0.960	1897	1.094	1905	1.434
1890	1.334	1898	1.268	1906	1.476
1891	1.248	1899	1.225	1907	1.620
1892	1.149	1900	1.740		

The cost of each grade of schools for text-books and supplies is as follows:—

	Net Expense	Cost per Pupil				
		1907	1906	1905	1904	1903
Latin School	$2,022 54	$4.136	$3.036	$3.182	$3.177	$3.463
English High School	2,906 94	4.894	4.425	3.356	4.153	3.564
Manual Training School	4,589 54	10.723	9.679	10.014	9.836	16.791
Training School, Teachers	782 04	1.127	1.126	.964	1.042	.664
Grammar Schools	4,001 55	1.315	1.343	1 258	1.397	1.070
Mixed Schools	6,622 30	1.156	.981	1.153	1.342	.907
Primary Schools	1,915 10	0.584	.508	.433	.441	.379
Kindergartens	247 87	0.353	.494	.637	.422	.428
Evening Schools	435 65	.....	.....	.....	.....	.....
Vacation Schools	6 71	.....	.....	.....	.....	.....
Special Teachers	68 85	.....	.....	.....	.....	.....
Officers of Board	71 26	.....	.....	.....	.....	.....
Miscellaneous Expenses (not chargeable to any grade)	560 02	.....	.....	.....	.....	.....
Books Exchanged	18 42	.....	.....	.....	.....	.....
	$24,248 79					
Less profit on sales	25 15					
	$24,223 64	$1.620	$1.476	$1.434	$1.468	$1.306

The foregoing tables compared with those submitted a year ago, show that there is an increase of $0.144 per pupil over last year.

This increase is largely in the cost of text-books for the high and grammar schools. New courses of study have required new text-books and equipment. There will be need of additional equipment in the Rindge Manual Training and English High schools during the coming year.

The committee again expresses its appreciation of the faithful services of the agent in his careful and economical purchases of supplies.

SCHOOL ACCOMMODATIONS

At a meeting of the Board in December, the committee on schoolhouses submitted a detailed report of the work of the committee for the year. The following is taken from that report:—

In December, 1905, it was voted by the Board that a communication be sent to the city council requesting that the old Gannett building occupied by the primary pupils of the Wellington School, be replaced by an addition to the Wellington schoolhouse. This addition is of ex-

cellent construction, nearer fireproof than any other school building in the city and altogether creditable to the builder and to the superintendent of public buildings who planned and supervised its construction. The cost of the addition to the building to December 1, 1907, was $39,763.32, and it gives some relief to the crowded schools in this district, but it is still necessary to occupy the halls of the Fletcher and Kelley schools with classes of forty-seven and forty-three respectively. The need of increased accommodations will be very urgent in the near future, not only in this but in other districts of the city.

The requests of the Board for an addition to the English High School building and for a modern schoolhouse to replace the Thorndike were not granted. Both of these requests represent urgent needs. The ceiling of the hall of the English High School was cracked so badly that it was deemed unsafe to occupy the hall, and it has not been used for several months nor has it been repaired, though there is sore need of the hall and of the addition to the building for which the committee asked last year.

Under the amendments to the city charter, adopted December 10, 1907, the repairs and improvements to the school buildings in the future will be made by direction of the school committee and the cost will be paid from the amount allotted to the committee for school purposes.

The total expenditures for the care and repair of school buildings, except those made under special appropriation for new work on schoolhouses, are as follows:—

Janitors' service	$42,917 44
Janitors' supplies	2,600 40
Fuel	29,344 36
Gas and electric lighting	3,168 76
Repairs to buildings	7,367 79
Repairs to furniture	815 08
Repairs to heating apparatus and plumbing	4,488 79
Expended for new furniture	2,877 27
Sundry labor about school buildings	3,587 20
Total	$97,167 09

CHANGES IN TEXT-BOOKS

The following is the Rule of the School Board relating to the changes in text-books:—

"All propositions for changes in text-books shall be made by the superintendent. Whenever he recommends a change he shall appoint two persons, one of whom shall be a teacher in the service of the city, who shall make written reports on the merits of the books recom-

mended. These reports and a like report by the superintendent shall be kept on file in the office of the superintendent, open to inspection by members of the Board only. All changes of text-books recommended to the Board shall be referred to the committee on text-books."

Under this rule the following books have been recommended by the superintendent and the committee on text-books, and adopted by the Board:—

For the Latin School. Fossler's Material for Practical German Conversation.

For the English High School. Altmaier's Commercial Correspondence and Postal Information; Newell's Descriptive Chemistry in place of Williams's Introduction to Chemical Science.

For the Rindge Manual Training School Atwood's Exercises in Algebra; Hart's Essentials in American History in place of Johnston's United States History.

For the High Schools. Huffcut's Elements of Business Law; Johnston and Spencer's Ireland's Story; Moore and Miner's Practical Business Arithmetic in place of Crittenden's Commercial Arithmetic.

For the Grammar Schools. Longfellow Memoir and Autobiographical Poems; Shaylor's Medial Series and Spencer's Practical Series of Copy Books in place of the Common Sense Copy Books and Shaylor's Round Hand.

For the Primary Schools. Part One of the First Book of Dunton and Kelley's Inductive Course in English in place of Hyde's Practical Lessons in the Use of English for the Third Year of School.

LATIN SCHOOL

The following table shows the membership of the Latin School and the cost of instruction from year to year for the past five years:—

December	Average Number of Pupils	Number of Teachers in December	Cost of Instruction	Cost per Pupil	Number of Graduates
1903	474	23	$25,472 00	$53 74	49
1904	487	23	26,275 50	53 95	50
1905	531	24	26,711 51	50 30	70
1906	530	25	25,979 34	49 02	59
1907	489	25	26,923 42	55 06	57

The cost of the Latin School to the city is less than the above sums by the amount received for the tuition of non-resident pupils. The amount received this year was $1,560.

The course of study is arranged for five years, or for four years, and is almost wholly decided by the requirements for admission to Harvard University. Three-tenths per cent of all the graduates have completed the work in four years. The following rules relating to the high schools were adopted in June, 1907:—

"A pupil who has received a diploma of a Cambridge grammar school stating that he has satisfactorily completed the course may be admitted to any high school on probation without examination. Other candidates shall be required to present certificates of good character from the principals of the schools they last attended and to pass an examination showing a preparation equivalent to that required for graduation from the Cambridge grammar schools; such examination shall be held in September of each year under the direction of the superintendent. Pupils who are qualified to join existing classes may be admitted at any time on application to the head master.

"A pupil in any of the high schools who, during the first three months of the school year has failed to do the work required and who has shown a lack of reasonable effort to reach a satisfactory standard, may, on recommendation of the head master, be placed on special probation by the superintendent and if at the end of February he has not made his record satisfactory, he may, on recommendation of the head master and superintendent, approved by a vote of the committee on high schools, be required to withdraw from school. A pupil so excluded shall not be readmitted until the beginning of the next school year. A second exclusion shall be final.

"No organization of high school pupils bearing the name of the school, shall be permitted to give musical entertainments or dramatic performances in places other than Cambridge.

"No pupil whose conduct or work in school is unsatisfactory shall be allowed to take part in any public match, performance, or exhibition, or in the editorship or business management of the school paper, under the name of any Cambridge high school or of any class thereof."

For non-resident pupils the tuition is $80 a year, payable one-half at the beginning, and the other half at the middle of the school year. The sessions of the school begin at 8.30 A. M., and end at 1.30 P. M

ENGLISH HIGH SCHOOL

The following table shows the membership of the English High School and the cost of instruction from year to year for the past five years:—

Year	Average Number of Pupils	Number of Teachers in December	Cost of Instruction	Cost per Pupil	Number of Graduates
1903	493	24	$27,109 83	$54 99	73
1904	556	24	27,070 83	48 69	76
1905	550	24	26,359 41	47 93	75
1906	570	25	27,214 24	47 74	74
1907	594	26	28,213 67	47 50	119

This school has three courses of study and has for its object the preparation of its pupils for entrance upon active life.

The general course provides a broad, liberal training for boys and girls who expect to end their academic education with the high school, and includes all subjects which are required for preparation to enter the State normal schools. All who propose to become teachers in grammar or primary schools should take this course.

The commercial course is designed to combine with studies which cultivate the mind in a broad way, certain others which give special power needed in business life. Bookkeeping and business correspondence are provided in the first year, advanced bookkeeping in the second year, commercial law in the third year, stenography in the third and fourth years, and typewriting in the second, third, and fourth years.

The domestic science course is intended for those girls who, while gaining culture of mind, wish also to train the hand in arts that are needed constantly in the home. In the second year they work in wood with tools suitable to their strength. In the third year they learn cook-

ing by theory and practice. In the fourth year they continue their cooking and deal with the preserving of fruits, with sanitation, and with other problems of household economy.

The requirements for admission and the rules governing the English High School are the same as for the Latin School.

For non-resident pupils the tuition is $80 a year, payable one-half at the beginning, and the other half at the middle of the school year. The sessions of the school begin at 8.30 A. M., and end at 1.30 P. M.

RINDGE MANUAL TRAINING SCHOOL

The following table shows the membership of the Rindge Manual Training School and the cost of instruction from year to year for the past five years:—

Year	Average Number of Pupils	Number of Teachers in December	Cost of Instruction	Cost per Pupil	Number of Graduates
1903	262	16	$21,125 50	$80 63	38
1904	315	19	23,167 16	73 55	30
1905	396	22	26,487 00	66 89	32
1906	440	22	29,705 66	67 51	45
1907	428	25	30,038 93	70 18	33

The cost of the Rindge Manual Training School to the city is less than the above sums by the amounts received from Harvard University for the instruction of a class of students during the summer vacation, and for the tuition of non-resident pupils. The amount received this year from both sources was $4,262.

Each course of instruction covers four years. Proper emphasis is given to the academic features and the work is made interesting and effective by bringing it into intimate relation with instruction in the mechanic arts.

The manual dexterity and the thorough knowledge of tools, machinery, and mechanical processes acquired in the shops, at an age when time can be most easily spared for such training, is of great value in any scientific pursuit.

The sessions are five and one-half hours a day, instead of five as in the other high schools. About one-fifth of the time is given to the work of manual training, and the remainder to the subjects usually taught in high schools, with the exception of Latin and Greek.

The requirements for admission and the rules governing the Rindge Manual Training School are the same as for the Latin School.

For non-resident pupils the tuition is $150 a year, payable one-half at the beginning, and the other half at the middle of the school year. The sessions of the school begin at 8.30 A. M. and end at 2 P. M.

The following is from the report of the committee on high schools:—

In the present year many important and difficult questions have had to be met in the changes in the administrative and teaching force of our high schools. The Board at its first meeting in January received the resignation of Mr. Charles H. Morse, who had been head master in the Rindge Manual Training School since the death of Mr. Harry Ellis. Mr. Morse was paid the honor of being appointed as the first secretary of the new Massachusetts Commission on Industrial Education, and so Cambridge had the honor of furnishing to the State the first secretary and executive officer of the commission, and also its chairman, Prof. Paul H. Hanus, who was formerly a member of this committee.

The vacancy caused by the resignation of Mr. Morse was filled by the election of Miss Myra I. Ellis as acting head master for the remainder of the year. Miss Ellis has been a teacher in the school since 1889, and was serving as master's assistant when elected acting head master.

On February 12 the English High School met with the loss by death of Dr. Edwin Lawrence Sargent, a teacher in the high schools of Cambridge for more than twenty-five years.

In the Latin School at the close of the school year the resignations were received and accepted of Miss Constance G. Alexander and Mr. Max Benshimol, efficient teachers in the school for fourteen and ten years respectively. The number of teachers in the school is the same as last year, but there is one more man and one less woman in the corps.

The number of pupils registered in our high schools since the opening of the schools in September has been one thousand seven hundred thirty-one. This number exceeds the number registered in any previous year, and reminds us that the time is not far distant when we shall enroll the names of two thousand pupils in our high schools. The total number registered in the Latin School from the opening of the school until the time of writing this report, is five hundred forty-nine, but four more than last year. It seems to us doubtful whether there will be any marked change in the number of pupils in this school for some time in the future. Four boys in the school are receiving the benefits of the Hopkins scholarship for 1907-1908. The Hopkins prizes were

awarded to Donald Clinton Barton for the boys in the school and to Lillian Frances Thain for the girls.

It was mentioned in our last report that Mr. William F. Bradbury had completed a period of fifty years as teacher and master in the Cambridge high schools. In recognition of his long and faithful services, exercises were held in the hall of the Latin School on the evening of January 3, 1907, at which in the presence of his friends, teachers in the city, and alumni of the school, an oil portrait of Mr. Bradbury, painted by Mr. George A. Frost, was presented to the city to be hung in the school hall. The portrait was accepted by His Honor the Mayor on behalf of the city. The teachers of the school presented to Mr. Bradbury a French clock, and graduates and citizens honored him by the gift of a beautifully bound volume containing the autographs of the graduates of the high schools.

The sum contributed was more than enough to pay for the portrait of Mr. Bradbury, and the surplus was used for the purchase of a hall clock for his home.

The following are the letters from the committee appointed to buy the clock and from Mr. Bradbury:—

CAMBRIDGE, MASS., JANUARY 31, 1908.

MR. WILLIAM F. BRADBURY,
Head Master, Latin School, Cambridge, Mass.

DEAR SIR:—Your portrait hangs in the Latin School hall, a testimonial of the esteem in which you are held by those who have come into close relation with you. So general was the desire that some expression of this esteem should be made that the sums contributed for the portrait exceeded the amount required. The question then came, how shall the surplus be used? It was decided that it should be for some article for your home rather than for the school. With Mrs. Bradbury's approval a clock was selected.

As the years come and go, may it often remind you of your former pupils, of your many friends, and of the long and successful service you have rendered the city.

Very truly yours,

WILLIAM TAGGARD PIPER,
FRANCIS COGSWELL,
J. HENRY RUSSELL,
Committee for Expenditure of Money not Required for Portrait.

CAMBRIDGE, MASS., FEBRUARY 11, 1908.

MR. WILLIAM TAGGARD PIPER,
Chairman of Committee,

MY DEAR MR. PIPER:—Through their well-chosen committee again I have to thank the alumni of the Cambridge Latin School and their friends for their continued kindness in supplementing their generous gifts of last year with the beautiful colonial clock recently received and installed in my home.

Its stately presence and its musical chimes are a constant reminder of the hosts of friends who by their loyalty and friendship have made the last half century an almost unbroken period of joyful service.

To the committee who have had charge of the testimonials presented to me, to the graduates of the schools, both of the Cambridge High and Latin, and to all other friends who have so generously contributed, I desire to express my warmest regards and most heartfelt gratitude.

Sincerely yours,

WILLIAM F. BRADBURY.

While the registration in the English High School since the opening in September is a few less than last year, the registration in the entering class has been larger than ever before. One hundred eighty-nine pupils, or seventy per cent of the class, the same per cent as last year, have selected the commercial course, which continues to show its popularity in spite of the fact that there is no immediate prospect of having a suitable room and equipment provided for practical instruction in commercial subjects. The work of dressmaking, delayed for five years because there was no fit place for instruction in this subject, has been undertaken the present year, permission having been granted by this committee at the urgent request of about thirty girls. The course is given in a room in the basement of the building, the same room in which the cooking classes do their work. This room is not well lighted and it has no ventilation. The appliances for both kinds of work can be put into the same room, and such interference as the two kinds of work involve can be endured while the classes are small, but as soon as conditions will allow, a separate room should be provided for the dressmaking, as has long been contemplated.

The changes in the commercial course have gone into operation with the third and fourth classes during the current year. This brings additional work to each pupil in that course and makes additional de-

mands for recitations and recitation rooms. This increase will continue for the next two years. The proper development of the commercial course, while demanding more teachers and more rooms, would certainly require that at least one of the new rooms, when provided, should be so fitted as to furnish means for practical work in bookkeeping, a provision which is common in city high schools.

The work in the English High School is already crippled on account of lack of room. The closing of the assembly hall by order of the superintendent of public buildings, in order to avoid all possibility of danger to the pupils from the condition of the ceiling, has deprived the teachers and pupils for a greater part of the year of the opportunity to meet as a school for devotional exercises, on special occasions, and for choral singing.

It became the duty of the superintendent of school in consultation with this committee, after the resignation of Mr. Morse, to select his successor as head master of the Rindge Manual Training School. It was the opinion of this committee, after carefully considering the qualifications of the different applicants outside the city, that we had among the teachers of this school men equal, if not superior, in ability and experience to any outside applicant. Consequently, it was voted by a majority of this committee to approve the nomination, as head master, of Mr. John W. Wood, Jr., a graduate of the Rindge Manual Training School, who since his graduation from college had been an instructor in the school.

With this change at the head of the school, came a request from Miss Ellis, the master's assistant who had served temporarily as head master, for permission to be absent for one year for the purpose of travel or study, which permission was granted; and we also received the resignation of five teachers, a majority of whom were strong and popular teachers in the school, but the much larger salaries which they were to obtain elsewhere made it impossible for us to retain them.

In September these vacancies had to be filled, and the increase in the number of pupils, together with the development of the commercial course, made it necessary to increase the number of teachers in the corps; so that when the school opened more than one-third of the teachers were new and untried in the peculiar work and management of a manual training school for boys. Notwithstanding the difficulties incident to so many changes in the teaching force, the school is enjoying a prosperous year.

The total number of pupils registered from the opening of the school to the present time is five hundred thirty-nine, seventy-two more

than last year. If this increase continues the result will be felt in several ways. In the first place, our machine shop accommodations will prove inadequate. This difficulty will have to be met either in preparing a room in the basement for the first year in machine work, or by an enlargement of the present building. In addition, some new equipment will be necessary in order to replace worn-out machines and to keep our equipment up to date. This new machinery should be of such a type as to make it possible for the school to build the new speed lathes which are already needed and also to replace parts of the present equipment as they are worn out and broken by the ordinary wear and tear. Such equipment would more than return the amount expended upon it by the saving from these replacements and renewals. Another difficulty which arises from the increase in membership in the school is the great inconvenience caused by the narrow subway connecting the three buildings. Either a new subway between the Washington building and the shop building should be constructed, or the subways in use should be enlarged.

The commercial course which was introduced into this school a year ago last September has been in operation long enough for us to form some estimate of its popularity and value. Out of a class of one hundred seventy-seven boys who had been in the school one year, fifty-two selected the commercial course. Boys who have shown little aptitude for the study of other branches have entered into the work of the commercial department with real enthusiasm, and the stimulating effect of their success in the new department has improved their standing in all their classes. The commercial course promises to become very popular, and even with the number in this class at the present time an additional teacher will be needed next year to teach stenography as well as bookkeeping.

As time goes on if we expect to keep the Rindge Manual Training School in line with the best manual training schools in this country, the need of an electrical laboratory, as recommended last year, becomes more apparent. The part played by electricity in modern life grows more and more important as the fascination and usefulness of the study combine to make it a very valuable part of a boy's education.

Pupils in the fourth year of the general course who have come to a definite conclusion as to the mechanical occupation which they intend to follow after leaving school, should have the privilege of specializing in order to make the last year of their schooling of more practical value to themselves as well as to their employers.

MANUAL TRAINING IN OTHER SCHOOLS

The statutes require that every town and city of twenty thousand or more inhabitants shall maintain, as part of both its elementary and its high school system, the teaching of manual training. The Rindge Manual Training School gives the required instruction to boys of the high school grade, and provision is made in the English High School for girls of this grade, sloyd and dressmaking being taught in the second year, and cooking in the third. Sewing in the grammar schools may be considered as meeting the requirements for the girls in the grammar school grades.

The following is from a report of the instructor in manual training:—

A change in the course of study for 1907-1908 provides that boys of the eighth grade shall have one hour a week for manual training. In accordance with this, six classes of the eighth grade in the following schools are now taking up this work,—the Fletcher, Kelley, Putnam, Roberts, and Wellington.

This is accomplished by using the Roberts manual training room as a center, the three grammar schools within reasonable distance sending classes for the whole of the afternoon session once every two weeks. The Putnam manual training room is used only by the two classes of the eighth grade belonging to that school.

In the limited time allowed, a small amount of elementary work only can be accomplished, as there has been no previous training. The course at present consists of a few simple, useful models; the aim being to teach thoroughly a few of the principal operations of wood-work while developing forethought and individual initiative.

There seems to be no reason now why the boys of the eighth grade in the Thorndike School should not have manual training at the Putnam School. When this is done Cambridge will be doing all she can with her present equipment, and no further substantial advancement can be made in the upper grades until more rooms for instruction in manual training and another teacher are provided. There is, however, a large field in the lower grades where work can be carried on by the grade teacher, at a moderate expense, under the direction of the instructor in manual training.

WELLINGTON TRAINING SCHOOL

This school was opened in September, 1884, and differs from the other schools in this respect,—all the grades, except the eighth and ninth, are taught by young teachers. Their work, however, is done under the immediate supervision of a master and three assistants, who

are held responsible for the instruction and management of the school. For several years the seventh grade has been taught by a graduate of the training class.

The object of conducting a school on this plan is to give Cambridge young women who desire to teach, and who have made special preparation for the work, an opportunity to gain experience under conditions favorable to their own success, and without prejudice to the interest of their pupils.

Graduates of the English High School or of the Latin School, who have also graduated from one of our State normal schools, are preferred candidates for the position of teacher in this school. Other persons of equal preparation may be appointed.

The required term of service is one year. Teachers are appointed on probation, and may be excused or dismissed at any time by the superintendent, with the approval of the committee on the training school.

No teacher is considered a graduate of the school until by vote of the training school committee she is admitted to the graduate class, which is known as Class B.

The money compensation for the first three months, and until satisfactory service is rendered, is at the rate of two hundred dollars a year. For the remaining part of the year it is at the rate of two hundred fifty dollars.

Graduates temporarily employed as teachers in this school are paid at the rate of three hundred dollars a year. Graduates selected to act as substitutes in any school are paid at the rate of four hundred fifty dollars.

That the direct influence of the school may be continued, it is the duty of the master, or one of the supervising teachers, occasionally to visit the schools of the graduates who are teaching in Cambridge. The school contains all the grades of the grammar and primary schools and a kindergarten.

By the Rules of the School Board the superintendent is authorized to employ as many substitutes and temporary teachers as may be necessary to take the places of absent teachers. These teachers are usually assigned to the Wellington School, when not otherwise employed, that there may be at this school a sufficient number of teachers to make it practicable for the members of the training class to visit other schools.

The following is from the report of the committee on the Wellington School:—

The Wellington schoolhouse has been enlarged by the addition of

six large, airy classrooms, which are models of beauty and convenience. This addition makes it the largest grammar school building in the city.

In the construction of these rooms, and in remodelling the assembly hall, the superintendent of public buildings has been satisfied with nothing short of the best in materials used and he has availed himself of the latest improvements in lighting, heating, and ventilation.

The beautiful new assembly hall deserves more than passing mention. It is a spacious room with a seating capacity of seven hundred. Its walls are finished in rough plastering and are painted in colonial yellow, while the ceiling is painted cream white. These colors blend harmoniously with the ash woodwork finished in its natural color. Its many windows give ample light by day, while in the evening it can be brilliantly lighted by electricity. The gallery in the rear adds much to the architectural beauty of the room and forms a most convenient place from which to operate the lantern. A hall like this has long been needed in the Wellington district for both educational and social purposes, and the large audiences that have assembled here prove that it is apprciated.

Your committee recommends that such alterations and repairs as are urgently necessary to safety and health be made at once on the old part of the Wellington schoolhouse. It would be good economy to establish a uniform system of heating throughout the building by removing the furnaces and installing another boiler to do the work of those furnaces. If this were done the expense of heating would be lessened and the safety from fire greatly increased.

Since September, 1906, twenty young women have been admitted to the probation class. Of this number, sixteen have succeeded in accomplishing the work required and have graduated from the school; four have withdrawn to teach in other places or to take up duties of a different nature.

The year has been on the whole a successful one, and the outlook for the future of the school is bright.

GRAMMAR SCHOOLS

The number of pupils in these schools on the first of December was seven thousand four hundred, and the number of teachers, including the masters and special teachers, was one hundred ninety-nine.

The cost of instruction for each pupil for the year has been $21.59. This does not include the cost of supervision or the cost of the Wellington School.

For non-resident pupils the tuition is $30 a year, payable one-half at the beginning, and the other half at the middle of the school year.

The course of study is for six years, but the schools are so classified as to give the pupils an opportunity to complete the course in four years, or in five years. The average age of those who entered the grammar schools last September was nine years seven months. The number of graduates in June was seven hundred thirty-five, their average age being fourteen years nine months. Of these, 6 per cent completed the course in four years, 27 per cent in five years, 50 per cent in six years, and 17 per cent in seven years or more.

Pupils are promoted by classes from the primary schools at the beginning of the autumn term; but individual pupils may be promoted at other times, if it is deemed expedient by the supervisor of primary schools and the superintendent.

Promotions from grade to grade in the grammar schools, and from the grammar to the high schools, are made by the teachers under the direction of the masters and the superintendent. Pupils qualified to join existing classes may be admitted at any time on application to the master of the school. No regular preannounced examinations are held in these schools, but the results of such written exercises and reviews as the teachers and masters may require from time to time may be used as a part of the basis of promotion.

The thoroughness with which the work is done in the grammar schools is shown in part by the ability of the pupils to do the work in the high schools. The pupils are admitted to the high schools on trial, and a pupil in any of the high schools who, during the first three months of the school year has failed to do the work required and who has shown a lack of reasonable effort to reach a satisfactory standard, may, on recommendation of the head master, be placed on special probation by the superintendent, and if at the end of February he has not made his record satisfactory, he may, on recommendation of the head master and superintendent, approved by a vote of the committee on high schools, be required to withdraw from the school. A pupil so excluded shall not be readmitted until the beginning of the next school year. A second exclusion shall be final.

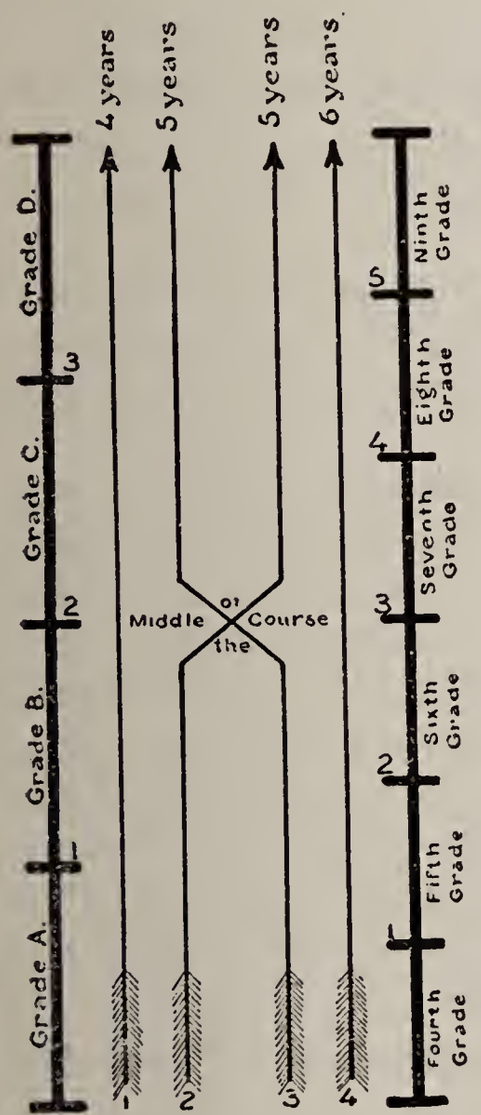
In the grammar schools, special teachers are appointed to help such pupils as seem able to do the work in less than six years, and to aid those who without personal instruction would require more than six years. This action of the committee removes the most serious objection to the graded systems of schools.

The course of study is divided in two ways: (1) into six sections;

(2) into four sections; each section covering a year's work. Pupils taking the course in six years are classified in six grades, called the fourth, fifth, sixth, seventh, eighth, and ninth grades. Those taking it in four years are classified in four grades, called A, B, C, and D. When pupils are promoted to the grammar schools they begin the first year's work together. After two or three months they are separated into two divisions.

One division advances more rapidly than the other, and during the year completes one-fourth of the whole course of study. The other division completes one-sixth of the course.

During the second year the pupils in grade B are in the same room with the sixth grade. At the beginning of the year they are five months (one-half the school year) behind those in the sixth grade. After two or three months grade B is able to recite with the sixth grade, and at the end of the year both divisions have completed one-half the course of study—the one in two years, and the other in three years. The plan for the last half of the course is the same as for the first half, the grades being known as the seventh, eighth, and ninth, in the one case, and as C and D in the other.



There are also two ways of completing the course in five years: (1) any pupil who has completed one-half the course in two years may, at the end of that time, be transferred to the seventh grade, and finish the course in three years; (2) any pupil who has completed one-half the course in three years may, at the end of that time, be transferred to grade C, and finish the course in two years. In both cases these changes can be made without omitting or repeating any part of the course.

It is now sixteen years since the schools were first classified on this plan. During this time nine thousand four hundred fifty pupils have graduated from the grammar schools. Of this number, 7 per cent com-

Arrow No. 1 indicates the four years' course; grades A, B, C, D. Arrow No. 2 indicates one of the five years' courses; grade A, B, 7, 8, 9. Arrow No. 3 indicates the other five years' course; grades 4, 5, 6, C, D. Arrow No. 4 indicates the six years' course; grades 4, 5, 6, 7, 8, 9.

pleted the course in four years, 29 per cent in five years, 49 per cent in six years, and 15 per cent in seven years or more.

Of the number who entered the Latin School from the Cambridge grammar schools during the past thirteen years and remained a year, 15.4 per cent did the work in the grammar schools in four years, 42.9 per cent in five years, 38.7 per cent in six years, and 3.0 per cent in seven or more years. Of those who entered the English High School from the Cambridge grammar schools and took the general course and remained a year, 8.2 per cent did the work in the grammar schools in four years, 35.7 per cent in five years, 45.2 per cent in six years, and 10.9 per cent in seven or more years; of those who took the commercial course 7.6 per cent did the work in the grammar school in four years, 32.2 per cent in five years, 50.5 per cent in six years, and 9.7 per cent in seven or more years. Of those who entered the Rindge Manual Training School from the Cambridge grammar schools and remained a year, 4.0 per cent did the work in the grammar schools in four years, 31.4 per cent in five years, 52.5 per cent in six years, and 12.1 per cent in seven years or more.

During the past thirteen years more than 45 per cent of the pupils entering the high schools from the Cambridge grammar schools did the work in the grammar schools in less than six years, 36.1 per cent doing it in five years, and 9.3 per cent in four years.

It does not follow, however, that because so many did the work in less than the full time that the plan is a good one. Its value is shown, rather, by the thoroughness with which the work has been done, not in one year only, but in a series of years. The results of the first year's work in the high schools would seem to be a test of this thoroughness. The records in these schools show that for thirteen years the marks of the pupils who were four years in the grammar schools were higher than were the marks of those who were five years in the grammar schools; and that the marks of those who were five years in the grammar schools were higher than were the marks of those who were six years in the grammar schools.

The average per cents of the first year's work in the different high schools for thirteen years are as follows:—

In the Latin School, the average per cent of the pupils who completed their grammar school course in four years is 79.7; of those who completed it in five years, 75.4; of those who completed it in six years, 72.2.

In the general course in the English High School, the average per cent of the pupils who completed their grammar school course in four

years is 78.1; of those who completed it in five years, 75.6; of those who completed it in six years, 72.7.

In the commercial course in the English High School, the average per cent of the pupils who completed their grammar school course in four years is 73.9; of those who completed it in five years, 72.6; of those who completed it in six years, 70.3.

In the Rindge Manual Training School, the average per cent of the pupils who completed the grammar school course in four years is 71.9; of those who completed it in five years, 69.0; of those who completed it in six years, 68.3.

The following tables will be of interest as showing the results of the first year's work in the high schools of the thirteen classes from 1895 to 1907 inclusive:

IN THE LATIN SCHOOL

Record of Thirteen Different Classes	Four Years in Grammar Schools	Five Years in Grammar Schools	Six Years in Grammar Schools
First Year in High Schools	Average per cents in High Schools	Average per cents in High Schools	Average per cents in High Schools
Class of 1895.....	78.7	78.9	76.4
Class of 1896.....	80.4	77.0	71.6
Class of 1897.....	79.3	72.5	66.9
Class of 1898.....	77.1	72.3	67.8
Class of 1899.....	80.0	73.0	61.8
Class of 1900.....	81.1	75.9	75.4
Class of 1901.....	79.6	75.2	70.1
Class of 1902.....	81.0	77.5	74.7
Class of 1903.....	83.0	79.1	74.7
Class of 1904.....	81.0	76.6	75.9
Class of 1905.....	78.2	77.8	73.5
Class of 1906.....	79.0	70.6	70.1
Class of 1907.....	78.1	74.4	74.5

IN THE ENGLISH HIGH SCHOOL, GENERAL COURSE

Class of 1895.....	77.3	76.2	73.4
Class of 1896.....	85.9	75.1	76.4
Class of 1897.....	79.7	78.7	72.2
Class of 1898.....	77.6	75.8	77.0
Class of 1899.....	75.6	75.1	69.1
Class of 1900.....	79.2	73.4	71.1
Class of 1901.....	72.8	75.2	73.2
Class of 1902.....	82.2	75.3	74.3
Class of 1903.....	86.6	77.0	72.7
Class of 1904.....	75.3	76.6	75.4
Class of 1905.....	76.7	75.3	74.0
Class of 1906.....	78.1	74.6	70.3
Class of 1907.....	70.3	73.4	68.0

IN THE ENGLISH HIGH SCHOOL, COMMERCIAL COURSE

Record of Thirteen Different Classes	Four Years in Grammar Schools	Five Years in Grammar Schools	Six Years in Grammar Schools
First Year in High Schools	Average per cents in High Schools	Average per cents in High Schools	Average per cents in High Schools
Class of 1895.....	73.7	73.5	69.8
Class of 1896.....	74.8	70.9	68.4
Class of 1897.....	76.3	69.0	69.3
Class of 1898.....	75.7	73.8	69.5
Class of 1899.....	69.5	68.5	68.9
Class of 1900.....	69.2	73.6	72.5
Class of 1901.....	76.0	73.6	70.5
Class of 1902.....	74.9	75.5	73.3
Class of 1903.....	74.3	76.6	70.9
Class of 1904.....	72.7	73.1	69.6
Class of 1905.....	75.7	74.1	69.8
Class of 1906.....	68.7	70.9	70.1
Class of 1907.....	81.0	72.6	70.9

IN THE RINDGE MANUAL TRAINING SCHOOL

Class of 1895.....	72.6	65.4	65.9
Class of 1896.....	79.3	63.5	65.2
Class of 1897.....	78.6	67.2	61.7
Class of 1898.....	81.7	69.5	68.9
Class of 1899.....	....	67.5	67.8
Class of 1900.....	72.6	69.6	68.0
Class of 1901.....	80.0	67.8	68.4
Class of 1902.....	80.4	71.9	69.2
Class of 1903.....	70.4	73.5	70.3
Class of 1904.....	76.2	71.6	68.7
Class of 1905.....	64.8	68.7	68.7
Class of 1906.....	53.2	66.3	66.3
Class of 1907.....	75.9	70.7	71.5

The results already given are based on the first year's work in the high schools. For seven years results have been obtained based on the full course in the high schools. During these seven years, four hundred three pupils have graduated from the Latin School. Of these four hundred three, three hundred eighteen were graduates of the Cambridge grammar schools. Of these three hundred eighteen, sixty-six did the work in the grammar schools in four years, and their average per cent for the Latin School course was 81.2; one hundred sixty-four did the work in the grammar schools in five years, and their average per cent for the Latin School course was 76.5; eighty-four did the work in the grammar schools in six years, and their average per cent for the Latin

School course was 75.0; four did the work in the grammar schools in seven years, and their average per cent for the Latin School course was 70.8.

During the seven years five hundred sixty-two pupils have graduated from the English High School. Of these five hundred sixty-two, four hundred seventy-one were graduates of the Cambridge grammar schools. Of these four hundred seventy-one, forty-two did the work in the grammar schools in four years, and their average per cent for the high school course was 76.8; one hundred seventy-four did the work in the grammar schools in five years, and their average per cent for the high school course was 76.4; two hundred nineteen did the work in the grammar schools in six years, and their average per cent for the high school course was 74.3; thirty-six did the work in the grammar schools in seven years, and their average per cent for the high school course was 72.9.

A CHANGE IN THE ARRANGEMENT OF CLASSES AT THE PUTNAM SCHOOL

The following account of an interesting and successful departure from the rigid system of grading that often exists in city schools has been prepared by Mr. Frederick B. Thompson, the master of the Putnam School:—

Those interested in the education of children have been endeavoring for years to arrange our programs of studies and systems of grading so that the maximum of work and opportunity might be offered to all pupils. Programs of studies have been lengthened, shortened, and enriched in the effort to provide the proper kind and amount of work for each grade; and various plans have been suggested for making the grading more flexible. "The Cambridge Plan" has been in operation for many years and has accomplished much. Any plan of grading to be adequate must furnish opportunities to all classes of pupils throughout the entire elementary school course.

Since pupils vary in ability, in home environment, and in previous preparation, some can complete not only the work prescribed for a given year but something additional; while others can accomplish but a part of the required amount. Sickness, forced absences, and changes from school to school produce other differences in pupils which demand our sympathetic consideration. The special teacher affords great assistance in overcoming these difficulties, yet of necessity her sphere is limited.

Several years ago I was surprised, when I examined the records of classes which had entered the Putnam School, to find how large a

proportion of pupils left school before completing the course. I also discovered that the majority of those who left school had been obliged at some time to repeat the work of one or more years. Since it is a fact that comparatively few parents will take their children from school when they have a prospect of graduating within a year, why are not our ninth grades larger? Is it the fault of the pupils or are our schools so graded that they tend to discourage those who are not quite able to do each year's work in the prescribed time and whose fourteenth birthday finds them still in the sixth or seventh grade?

Believing that the present system of grading was responsible to some degree for this condition, and striving to produce greater flexibility, the Putnam School, in September, 1906, was divided into tweny-six classes. These twenty-six classes formed a succession of steps through the six grades of the grammar school. Each teacher was given two classes of this series. The accompanying diagram will make clear the general arrangement, but it will become obvious when the plan of work has been considered that it is impossible to draw a line absolutely separating one grade from another.

GRADES.	CLASSES.
Ninth	26th
	25th
Eighth	24th
	23d
	22d
	21st
Seventh	20th
	19th
	18th
	17th
	16th
Sixth	15th
	14th
	13th
	12th
	11th
Fifth	10th
	9th
	8th
	7th
	6th
Fourth	5th
	4th
	3d
	2d
	1st

The basis of classification was the portion of the program of studies completed; and the plan was, at any time, either to promote a pupil conspicuously in advance of his classmates, or to place in a lower class one not able to perform the work.

The teachers gave their hearty co-operation to this new arrangement and to-day, after a trial of a year and a half, endorse it thor-

oughly. Those who under the usual conditions might regret the loss of their best pupils know that they in turn will receive ambitious pupils from classes below. Again, teachers have not found two classes in a room a hardship.

The problem of discipline is simplified by work judiciously assigned, because troublesome pupils may be divided usually into two groups, those who have not had enough work to keep them busy, and those who have had tasks assigned for which they are not prepared. This system of grading makes it possible to adapt the work to the needs of the pupils.

The pupils like the system, and the knowledge that they may be transferred to another class at any time has caused them to put forth that amount of effort throughout the year that we were accustomed to observe only during the spring term.

The parents have been interested in the plan and whenever it has been necessary to place a pupil in a lower class it has not produced the opposition we formerly encountered.

Through the co-operation of the supervisor of primary schools no break has occurred between the third and fourth grades, and pupils have been passed back and forth between them as readily as between classes in our own building.

At the end of June, under this system, seventy-one pupils had been advanced to rooms of a higher grade. Of these, six pupils had completed two years' work, twenty pupils one and a half years' work, and forty-five pupils one and a fourth years' work. This made an average gain of three and eight-tenths school months for seventy-one pupils in a school with an average membership of six hundred fifteen. This does not include pupils advanced from one class to another in the same room.

In June, after the ninth grade had graduated, an opportunity for reclassification was afforded. Pupils were grouped into new classes according to the recommendations of their teachers; then oral and written tests were given. These tests did not furnish conclusive proof of the degree of advancement attained, but in the majority of cases were valuable aids to the work of classification. New classes came from the primary schools in September, and we started on our second year of this experiment with each teacher commencing the work where the class assigned to her had left it in June.

The value of any system of grading must be determined by the results and more than one year's trial is necessary. However, certain results have been observed.

1. Pupils are interested in their work throughout the whole year.

2. Few pupils appear discouraged, as it was possible in June to advance all of at least two classes.

3. Fewer cases for discipline have been brought to my attention during the last five months than in any corresponding period.

4. Most of the teachers report "better" classes than they have had previously.

5. Pupils acquire greater self-reliance and the power to study with two classes in a room.

It is not to be inferred that we have found a solution for all difficulties. No system of grading will make all pupils proficient in their studies. Some can be trained to become skilful with their hands, but they will never advance far beyond the elements of the "Three R's." These pupils must be furnished with courses in manual training.

We are pleased with what we have accomplished. We hope that fewer pupils will leave school without completing the grammar school course, and that better prepared pupils will be sent to the high schools.

PRIMARY SCHOOLS

The number of pupils in these schools on the first of December was five thousand seven hundred sixty-seven, and the number of teachers was one hundred forty-three.

The cost of instruction for each pupil for the year has been $16.98. This does not include the cost of supervision or the cost of the Wellington School.

For non-resident pupils the tuition is $20 a year, payable one-half at the beginning, and the other half at the middle of the school year.

The course of study is for three years. Children five years old are admitted to the first grade at the beginning of the school year and during the first week in March. Pupils qualified to join existing classes may be admitted at any time on application to the principal. At the present time 39.8 per cent are in the first grade, 29.5 per cent in the second, and 30.7 per cent in the third.

One thousand four hundred sixty-seven pupils were promoted to the grammar schools last June at an average age of nine years five months. Of these, 4 per cent completed the course of study in less than three years; 61 per cent in three years; 3 per cent in three and a half years; and 32 per cent in four years or more.

Promotions from grade to grade in the primary schools, and from the primary to the grammar schools, are made by the primary teachers,

under the direction of the supervisor of primary schools and the superintendent. Promotions by classes are made annually at the beginning of the autumn term; but individual promotions are made at other times if it is deemed expedient by the supervisor of primary schools and the superintendent.

Pupils are promoted to the grammar schools on trial, and those who show by their work that they are unprepared are returned to the primary schools on the approval of the supervisor of primary schools and the superintendent.

Once a month the teachers of each primary grade meet the directors of special studies and the supervisor of primary schools. These meetings are held in the English High School building on Wednesday afternoons, half an hour after the close of the schools. The work for the coming month is planned; criticisms and suggestions in regard to the methods are made; and questions from the teachers are answered and discussed.

Occasionally specimens of written work from all the pupils are brought for examination. In this way the amount of work done in the schools is made somewhat uniform; new teachers are kept informed as to the requirements, and pupils lose less time when a change of teacher or school becomes necessary.

The supervisor of primary schools writes as follows:—

The primary classes have been working out new programs in music and drawing and have been learning new methods in penmanship. In spite of these conditions the other studies have not suffered, rather has the progress been more satisfactory. Certainly, freedom in oral language has increased, and the new drawing has added interest to the nature study and to the written language. The desk work has also become more practical and varied, giving larger opportunity for manual training.

There has been a gain in the children's ability to read silently, consequently an increased power to study by themselves. Dramatic reading, which is interesting to so many of the teachers, has been found to give the children clearer enunciation; and the enthusiasm which it creates seems to remove the difficulties met with by timid and self-conscious children. It would be well to have some provision made in the way of text-books for this device in the teaching of reading.

The amount of time which should be devoted to number, especially in the first grade, is still a matter for consideration. It does not seem well to shorten the program in a subject that the little children themselves are so much interested in, and less time will not give them an

opportunity to make their own discoveries. The shortening of the number program in the second and third grades is working satisfactorily. More attention is being given to concrete work.

Whenever it has been possible to separate the children over ten years old from the regular classes, the younger children have gained by the arrangement. These now get time and attention once devoted to the older pupils. In the special classes there is a chance for individual promotion to the grammar school, and, in the case of pupils who speak a foreign language, the constant and individual drill in English enables them to make rapid, and sometimes astonishing progress.

The physical examinations of the children have been a revelation to the teachers. So many who are slow in learning to read have been found defective in sight or hearing that it would be well if the emphasis of medical authority could be added to the recommendation of the teacher; so that more parents might be induced to seek medical advice when they are informed of the need of it for their children. If possible, the examination should be extended to the children in the first grade.

The many changes which have been made in the program, call for much added work in the preparation of the lessons. This demand has been met by the teachers with an enthusiasm which bears testimony to their devotion to the best interests of the children committed to their care.

KINDERGARTENS

The number of pupils in the sixteen kindergartens on the first of December was seven hundred eighty, and the number of teachers was thirty-one.

The cost of instruction for each pupil has been $28.09. This does not include the cost of supervision.

To be eligible to a position in a kindergarten, a teacher must have had a course in a high school, a course in a kindergarten normal school, a year's experience in teaching either in a kindergarten or a primary school, and must be able to play the piano.

Students in kindergarten normal classes are given opportunities to observe during their two years' course, and are allowed one month's experience in the first primary grade, but it is not deemed expedient for them to observe after graduation.

Teachers in kindergartens are to use their afternoons in visiting the homes of their pupils, with a view of maintaining friendly relations with the parents and of securing regularity of attendance, except when

the time is needed for preparation for their work, and they are to make reports on blanks prepared for this purpose.

The teachers in the kindergartens report that they have made three thousand five hundred thirty-six calls at the homes of their pupils, an average of two hundred twenty-one to each kindergarten, and that one hundred twenty-three mothers' meetings have been held at the different kindergartens.

The mothers who attend these meetings, knowing as they do the purpose and aim of the kindergartens, and having personal and cordial acquaintance with the teachers to whom their little children are sent, are ready to give to teachers that help, co-operation, and encouragement that make kindergarten teaching happy and effective. The visits to the homes of the pupils give the teachers a view of the life of the children when they are out of school, and as a result the treatment the little children receive in the kindergarten is like the mother's care.

The mothers' meetings at the kindergarten rooms and the visits of the kindergarten teachers to the homes of the children bring about ideal conditions. The mother knows the school, and the teachers know the home, and both unite in effort for the good of the child.

Health has been a leading topic at the monthly meetings of the mothers. Among the subjects considered at these meetings are: Care of the eyes, nose, and throat; relation of school to home; health hints by deep breathing; hints on cooking; prevention better than cure; the work of the Cambridge Training School for Nurses; the prevention of scarlet fever; deformities of children; window gardening; what I desire for my child; hygiene; discipline in kindergarten and at home; general hygiene and when to call a doctor; diaphragmatic breathing; cooking; work of the district nurses; value of correct breathing.

The following is from the report of the committee on kindergartens:—

The mothers' clubs continue to be a source of gratification. Each year these clubs find new ways and larger means to benefit the kindergartens. The sympathy and co-operation fostered by these mothers' meetings are of the greatest value to the schools.

The kindergarten that meets at the Willard School in the afternoon should have a place where its sessions could be held in the morning. The attendance is excellent and the kindergarten is in a good condition; but the children lose nearly an hour of training each day because the afternoon session in all schools is shorter than the morning session, and the teachers lose the meetings in Boston provided for the study of weekly programs. The afternoon session is also a serious

embarrassment to the mothers' meetings of both the district served by the morning kindergarten and the district from which the children of the afternoon kindergarten are sent.

SPECIAL STUDIES

The committee on special studies has supervision of the instruction in nature study, drawing, music, sewing, and physical and industrial training in the grammar and primary schools.

NATURE STUDY

The work in nature study includes the study of plant and animal life with some study of minerals and of weather phenomena.

The study of plants was first undertaken, and still makes up the larger part of the work. The study of animal life consists mainly of lessons on insects and birds. The work with minerals is confined to lessons on common metal, and on building stones.

Plants are studied in grades one to four, inclusive; insects in grades one, two, and four; birds in grade four; weather phenomena in grades one to three, inclusive; and minerals in grade four.

Specimens chosen for study are those in which the pupils have a present interest, and all work is based on present experience. It is kept well within the capabilities of the children, yet novel enough to require their best effort. Whenever it is possible, the nature study is made to correlate with the work in other branches.

The results sought are increasing knowledge of facts gathered by observation; familiarity with environment; and a growing sympathy with nature.

The following is the report of the director of nature study to the supervising committee:—

In presenting this report I wish to speak first of what we are now doing in nature study; and, second, of what we need, and of what we would like to do.

We are teaching the pupils to observe the world around them, its animals, plants and minerals, and its weather phenomena, to think about what they see and to put their thoughts into words.

We do not have to create an interest in nature. The interest exists already. This is a study in which the children learn because they want to know, not because we urge the knowledge upon them.

We are working from a very simple course of study, the simplest in use anywhere so far as I know, yet one which meets the require-

ments of experts in the work. We have grown so familiar with the course and its underlying principles that the work is not burdensome in any grade.

We are doing an almost uniform quality of work throughout the city. There are, of course, slight differences due to the development of the children, the environment of the school, or the temperament of the teachers, but there is no one school or district which is our show school. There are many teachers who are ready and able to do more than the required work.

We need more material to work with. This need, mentioned in last year's report, has been met in part by supplies sent in from the country, on which the city has paid the express. We have also a generous offer of help from the park department which is duly appreciated.

We need a few reference books for teachers' desks. We need some provision for the study of animal life, especially bird, insect, and water life. We need cabinets of some sort in which to store the useful material which is accumulating.

We need window boxes in those buildings in which there is no protected yard space for gardens, and we need emphatically your influence in providing for the care of these boxes, gardens, and plants in those places where the teachers have taken upon themselves the task of providing these things.

Lastly, we need higher grades to work with in order to fix the habits formed and the knowledge gained in the first four years.

These things, with the exception of the books, are not costly. Our teachers in many instances have begun to provide them for themselves. They are ready to continue to do so. It has always been true, I think, that progressive teachers spend for their schools. We have many in Cambridge who do so.

I am not forgetting for a moment the need of economy. I am simply bringing into the foreground for the time being the needs of the children and the work. I am assuming that it is a part of my duty, as the specialist employed by you to guide the work, to know what is being done elsewhere and to sift out what is of permanent value from what is unessential, to weigh the merits of different phases of nature study and their place in the education of the pupils, and to call your attention to what would, in my judgment, be of value to the children in the city of Cambridge.

At a time when people everywhere are commenting on our bookish school work and asking for something more practical, when courses of study in geography and arithmetic are being altered to meet this

demand, when the secretary of the Massachusetts State Board of Education, the manager of a large business firm, and the official head of our chief city unite in asking for our schools more land to cultivate so that the children may receive knowledge which will fit into the working life, we might be justified in making a plea for an extension of the work in nature study. Refusing to go to extremes, we might recognize the value of the work and step by step, in accord with the tendency of the times and especially in accord with the best interests of the city and the children, build up what is best in nature study.

DRAWING

The course of instruction in drawing in the primary and grammar grades includes form, color, and designing.

The study of form (pictorial representation) is carried through all the grades upon a plan involving type solids and natural forms of leaves, flowers, and fruit. Construction drawing of objects and of simple original ornaments is gradually developed by progressive exercises. Geometrical drawing is introduced in the sixth grade and continued through the advanced grades. Drawing from nature receives special attention during the spring and autumn months.

Color is studied in all the grades, colored tablets being used in the primary grades and water colors in the grammar grades. Harmony and mixing of colors are treated as a science in special exercise; while color skill is artistically expressed in original designs and in nature study.

In design, particular attention is given to subjects involving fundamental principles of symmetry, balance, etc., and to methods of working out simple, specific problems in construction and in decoration.

In the English High School, drawing is a required study the first year, and is carried forward upon a plan of which the following is an outline:—

Drawing from objects and from casts, drawing from nature of plant form, drawing to scale, designing (constructive and decorative), and color harmony.

Drawing, designing, or water-color painting, may be taken as an elective study after the first year. The course of lessons includes landscape, still-life, and advanced designing.

In the English High School, the instruction in drawing is given by the director of drawing and his assistant. In the primary and grammar grades, it is given by the teachers under the supervision of the director and his assistant. In the Rindge Manual Training School,

there are four teachers of drawing, two of mechanical drawing and two of free-hand, and the work is done under their immediate instruction.

The director of drawing conducts a teachers' class at which the attendance is voluntary.

This class meets at the English High School on Tuesdays, after the close of the afternoon session. The total membership of the class is ninety-three and the average attendance is seventy-one.

MUSIC

The New Educational Music Course is used by the regular teachers in the primary and grammar grades under the supervision of the director of music and his assistant. In the high schools the music is conducted by the director. Every pupil who is capable of learning to sing is required to give attention to the subject.

In the Latin, English High, and Rindge Manual Training schools, forty-five minutes a week are given to the study of musical form and expression as found in choruses, quartettes, etc., from the standard oratorios and operas.

Elementary harmony, counterpoint, and composition have been introduced as elective studies for the first and second classes, and boys as well as girls having a special aptitude for music naturally elect these studies, the only requisite being some knowledge of the pianoforte. Pupils of the fourth year in the English High School may elect harmony in place of astronomy, and those intending to go to a normal school are advised to take the course in harmony.

The students are instructed in scale formation, intervals, and a logical and comparative view of all true chords, in order to give them the power to construct and resolve these chords for themselves.

The study of harmony is carried well into modulation, and the study of counterpoint is carried through the four simple orders or species, including both the major and minor modes.

Two periods of fifty minutes each week are devoted to instruction, and occasionally the best compositions of the students are sung or played before the entire school, showing in this way the practical side of the work, which will prove an important factor in future teaching.

In the Rindge Manual Training School, the young men are taught to sustain their parts, without accompaniment, in compositions of four

part harmony (first tenor, second tenor, first bass and second bass) the music being selected and arranged for this purpose.

Fifteen minutes a day in the primary and grammar grades are devoted to this study; and pupils in the grammar grades are taught to sing and sustain their parts in reading composition in two, three, and four parts.

Memorizing music is a feature in all the grades, including the high schools, and in all graduating exercises it is expected that the music by the pupils will be sung or played without notes. To this end rote singing in all the schools forms a part of the instruction in reading music.

PHYSICAL TRAINING

The Ling system of physical training is used in the schools. Seven grades are regularly supervised, the classes of the eighth and ninth grades being visited by the director only when special request is made by their teachers.

The instruction is given daily by the regular teachers in their respective classrooms under the supervision of the director of physical training, who visits each class as often as time will permit, and who also meets the teachers for special instruction from time to time.

Daily in the grammar grades ten minutes are allowed and in the primary grades fifteen minutes. During the months of September, October, November, April, May, and June, the primary classes have the privilege of outdoor recesses, while during December, January, February, and March the time is spent in games and marching.

The essential aim of all the teaching in physical training is to make the period one of recreation and healthful exercise, thus counteracting in part the tendency to spinal curvature and flat chest caused so often by sitting so many hours a day at the school desk.

SEWING

Sewing is taught to the girls of the three lower grades in the grammar schools, and to the boys of the fourth grade who desire the instruction, the regular teachers having charge of the work of the boys.

The following is the course in sewing: *Fourth Grade.* Running, basting, stitching, sewing on buttons, overhanding and making pin-

balls. *Fifth Grade.* Hemming, gathering, stroking gathers, model apron, overcasting and model pillow-case. *Sixth Grade.* Buttonholes, darning on canvas, darning a thin place in stocking, darning a hole in stocking, and matched patching.

Forty minutes are given to the work once a week in each grade. Throughout the course great care is taken in securing the ends of the thread in beginning, joining, and fastening off.

The first lessons in sewing are spent in learning the use of the thimble and needle, in threading the needle, making knots, and fastening ends. Running stitches are made during this time on ruled pieces of cloth. Neatness is insisted upon from the beginning. Stamped patterns of stars or circles are worked in running stitches by the more forward. Then basting by measure is taught. Measuring cards are provided for this, and the stitches are made one-half inch in length, with spaces of one-eighth of an inch. All work is upon practice pieces with colored thread. The first piece has three lines for running stitches and two for basting.

The second practice piece is of double cloth and has two lines of basting. On this piece stitching is taught, the children imitating machine stitching as nearly as possible. Two lines are done by all, and four lines by the best sewers, who also stitch their initials in the center.

Buttons are brought from home for the third practice piece. Strips of cloth for this are basted by those who finish stitching before the others. The shoe button comes first as the simplest, then the two-holed button, then the four-holed.

The pupils who finish buttons first, baste strips for overhanding. This is the last stitch taught to this grade. Those who wish bring pretty pieces of cloth and make pin-balls. At the end of the year the boys take home all their work. The girls keep theirs for reference the next year.

The work in the fifth grade begins with folding and basting hems, the practice piece having a half-inch hem on one edge and a quarter-inch hem on the other. Hemming is practised until fairly well done, before beginning the model apron of calico, which is then hemmed on the sides and at the bottom.

In January the aprons are laid aside while gathering is taught. The rule for gathering is copied upon paper and then practised upon cloth, with attention to the proper position of the hands. Stroking the gathers follows, and the new work is then applied to the model apron. The gathers are stitched to the belt and the apron carefully finished.

Model pillowcases are given to those who have time to make them, which gives a little practice in overcasting.

Those who finish the year's work take home all the practice work of the two years.

During the first term in the sixth grade those who completed the fifth grade work are taught to make buttonholes, while the others finish their model aprons. After vacation all begin together upon darning on canvas. This being finished, they learn to run a thin place in stocking material, and then to darn a hole. When the darning is finished, buttonholes are taken up again and then matched patching. Those who have time for extra work practise feather stitching.

EVENING SCHOOLS

The following account of the evening schools is given by Mr. Sanford B. Hubbard, the agent of the school committee, who has the general supervision of these schools:—

There are eight evening schools—two drawing schools, one high school, one industrial school and four elementary schools. In accordance with the Rules of the School Board, there are two terms of the evening schools. The first term begins on the second Monday of October, and continues every Monday, Wednesday, and Friday evening until the end of the week before Christmas. The second term begins on the first Monday, Wednesday, or Friday evening after the opening of the day schools in January, and continues thirty-five evenings. The sessions begin at half-past seven o'clock and continue two hours. No session is held on the evening of a holiday, or during the vacations of the day schools.

The evening drawing schools are under the supervision of the director of drawing in the day schools. There are two of these schools, one for instruction in mechanical drawing, which occupies three rooms in the Washington building, and one for instruction in free-hand drawing, which occupies one room in the English High School building. In the Mechanical School two courses are provided—a three years' course in machine drawing, and a three years' course in architectural drawing. In the Free-hand School provision is made for a three years' course in free-hand drawing. Diplomas are given to graduates of either course.

The Evening High School is held in the English High School building, and offers a three years' course of instruction in the following subjects: Arithmetic, bookkeeping, algebra, geometry, stenography, English composition, English literature, civics, history, Latin, French, and

German. Diplomas are granted to graduates of the three years' course.

The Evening Industrial School is held in the Rindge Manual Training School building and offers courses in machine shop work, wood-turning, pattern-making and forging.

The evening elementary schools occupy rooms in four of the grammar school buildings, the Putnam, Roberts, Shepard, and Webster. Reading, writing, arithmetic, geography, language, history, and bookkeeping are taught in these schools in classes, so far as classification is possible, but a large part of the work is individual. No definite course is arranged, but an opportunity is offered to pupils to prepare to enter the Evening High School, and certificates are given to those who are qualified to begin work in that school. In addition to the subjects given above, classes in civil service, sewing, dressmaking, millinery, woodworking, and mechanical drawing are formed when a sufficient number express an intention to take any one of these courses.

The following table shows the attendance at the evening schools for the year 1906-1907:—

	Number Registered	Average Attendance	Average No. of Teachers*	Average No. of Pupils to a Teacher	Number of Graduates
Mechanical Drawing.	126	53	5	11	12
Free-hand Drawing..	67	31	2	15	9
High School.....	375	173	10	17	17
Industrial School....	92	51	3	17	..
Putnam School.....	821	296	23	13	27
Roberts School.....	684	273	20	13	36
Shepard School.....	245	118	9	13	16
Webster School.....	242	102	7	15	16
Total	2,652	1,097	79	14	133

*The principals and curators are not included in these averages.

The following table shows the cost of the evening schools for the year 1906-1907:—

	Cost of Instruction	Net Cost of Text-books and Supplies	Cost of Light, Fuel, and Janitors	Total Cost	Cost per Pupil
Mechanical Drawing.	$889 00	$27 74	$219 75	$1,136 49	$21 44
Free-hand Drawing..	385 00	59 20	62 89	507 09	16 36
High School.....	1,380 00	159 76	691 86	2,231 62	12 90
Industrial School....	831 00	13	489 75	1,320 88	25 90
Putnam School.....	2,028 00	51 38	702 00	2,781 38	9 40
Roberts School.....	1,854 50	72 15	801 83	2,728 48	9 91
Shepard School.....	908 50	12 53	248 09	1,169 12	9 91
Webster School.....	796 00	52 76	310 00	1,158 76	11 36
Total.....	$9,072 00	$435 65	$3,526 17	$13,033 82	$11 88

During the year 1906-1907, the eight evening schools occupied fifty classrooms and required the services of six principals and seventy-nine assistant teachers. The Industrial School was under the supervision of the head master of the Rindge Manual Training School and the drawing schools were under the supervision of the director of drawing for the day schools.

The registration for the sixty-five evenings was one thousand six hundred one males, and one thousand fifty-one females, an increase of one hundred eighty-three males and a decrease of sixty-three females—a net increase of one hundred twenty. The average attendance of one thousand ninety-seven was a decrease of seven from that of last year.

Twenty-one graduated from the three years' course in the drawing schools and seventeen from the high school. Ninety-five graduated from the elementary schools prepared to enter the high school in the fall. For some reason the Mechanical Drawing School has not had as large classes as it had before the school was moved to the Washington building. The Industrial School did its second year's work with nearly double the registration of the preceding year. The classes in blacksmithing, machine shop practice, wood-turning and pattern-making maintained their interest through the two terms. Much work, which would do credit to workmen of more experience, was on exhibition at the end of the term. Two grinding machines were made which will be installed as needed additions to the equipment of the day school. The value of these machines will meet a large share of the cost of the school.

Excellent work was done in the elementary schools, and illiterate

foreigners are coming to them in great numbers. The classes in dressmaking and millinery were largely attended and the interest was sustained through both terms. Many persons have gone from these classes not only better dressed, but more self-reliant and self-respecting, because of the knowledge and skill they have acquired.

Since October, 1907, the industrial departments of the evening schools have been conducted under the supervision of the State Commission on Industrial Education. This includes the two drawing schools, the Industrial School, and the dressmaking and millinery class in the Putnam, Roberts, Shepard, and Webster Schools.

To this date all of the evening schools, except the Mechanical Drawing, have been larger than on any previous year and the demand of the public for this sort of instruction, especially instruction in the industrial arts, seems to be increasing.

VACATION SCHOOLS

The vacation schools opened on Monday, July 8, and continued for five weeks in five school buildings, the English High, Putnam, Roberts, Shepard, and Webster. There were two sessions of two hours each for five days in the week, one class attending the first session and another attending the second. Cards of admission were given to twelve hundred eighty pupils who applied before the opening of the term, and after the first day all pupils from grammar grades who presented themselves at the schools were admitted. The schools required the services of twenty-nine teachers.

The older pupils were given a choice between a course in sloyd and drawing, one hour a day each, and a course of two hours a day in either basketry, cooking, or sewing.

The younger pupils were given instruction in drawing, water-color painting, reading, writing and other profitable subjects. Trips to Agassiz Museum and walks helped to make the schools interesting to these pupils.

The boys who take sloyd are obliged to have drawing one hour and sloyd one hour as the equipment for sloyd is not sufficient for the number of boys who wish to have the manual work. If more benches could be provided so that each boy could have two hours of sloyd and the drawing be omitted, the boys would remain longer in the schools, as most of them do not like the drawing. The only increase in expense would be for another outfit for teaching sloyd. The number of teachers would not need to be increased, as a teacher of sloyd would take the place of a teacher of drawing. Of the three hundred sixty-three

boys who applied for sloyd, two hundred eighty-six were registered and the average attendance was on hundred seventy-two.

The following table shows the number registered in each subject with the average attendance:—

	Number Registered	Average Attendance
Academic	480	288
Basketry	110	65
Cooking	80	44
Sewing	342	233
Sloyd and Drawing	286	172
Total	1,298	802

The cost of the schools was $1,691.80 for the salaries of teachers and janitors, and $221.59 for supplies, a total of $1,913.39, or of $2.38 per pupil based on the average attendance.

The following table shows the line of work in each school and the number in attendance:—

School	Subject	Number Registered	Average Attendance
English High School	Academic	109	64
	Basketry	110	65
	Cooking	80	44
	Sewing	57	34
	Sloyd and Drawing	122	73
Putnam School	Academic	87	55
	Sewing	76	58
	Sloyd and Drawing	72	52
Roberts School	Academic	142	73
	Sewing	75	38
	Sloyd and Drawing	92	47
Shepard School	Academic	56	36
	Sewing	85	61
Webster School	Academic	86	60
	Sewing	49	42
Total		1,298	802

SUMMER PLAYGROUNDS IN SCHOOL YARDS

Mrs. Helen L. Brooks, the secretary of the committee in charge of the summer playgrounds, has furnished the following at the request of the superintendent:

The committee carried on nine playgrounds for a term of eight weeks during the summer of 1907. These playgrounds were in the yards of the Gore, Lassell, Parker, Riverside, Tarbell, and Taylor schools, at the site of the old Sargent building, and in Broadway Park and Rindge Field. The one at the Sargent yard was for boys only and it made an excellent playground for the boys in that locality.

This was the second year of the playgrounds in the school yards. A superintendent had oversight of all the yards and a competent teacher was placed in each one. There was also an assistant who went from yard to yard and helped as needed. At the end of the summer full written reports by Miss Ida Brooks, the superintendent, and by the teachers, were given to the committee. The attendance was large except in Old Home Week, when outside attractions drew the children away. The good attendance and the very successful work done was owing to the presence of good teachers and to the efforts of the superintendent to get in touch with the people in the different neighborhoods. Many children said that their mothers would not let them come unless there was a teacher in charge of the playgrounds.

On the opening day, July 8, the children flocked to the playgrounds in large numbers. In one yard some large boys came who had to be turned away. In about an hour a third of them returned with babies pleading to be allowed "to mind baby in the sand." The second week the teacher was able to admit these boys.

In every yard, excepting the boys' yard, the city placed sand boxes. These were filled with little ones all the time except in one or two cases where conditions were not favorable. One of the teachers said: "It was a great sight to see our future contractors building their bridges, tunnels, and castles."

In the Sargent school yard, where the boys were older, the teacher kept them busy in the morning with active games. Every afternoon he took them to Cambridge Field for baseball and track running. He was much pleased with the sportsmanlike spirit which he was able to develop in the boys. This was shown by their interest in the games even when they were not winning and by their respect for his decisions even when contests were close. "These boys," he said, "only need to have their activities properly guided."

In the other yards, games were played with bean-bags, quoits and ring-toss, also many circle games. While games were going on in one part of the yard, in another part there were busy groups, sewing, knitting, crocheting, or pricking and working sewing cards in gay colors, which was always interesting to the children. Many little dolls were

dressed, and reins were knit on spools and scrap books were made. The boys, too, even the older ones, were eager to work on sewing cards and to knit the reins. In the Parker School, where the yard was very unattractive, the teacher sometimes took the children into the school building. She appointed some of the older girls as teachers and little groups were formed to whom they taught sewing and knitting. They learned new songs, they played house and had doll parties, and they gave shows to which the admittance fee was a needle or pins and a clean face and hands. Shows were successfully given in other playgrounds. They consisted mostly in singing and in speaking pieces. Good story books and colored picture books were much enjoyed.

In almost every playground children were organized into cleaning brigades, so that the yards were kept free from litter and the sand was cared for. The teachers were wise in making the children feel that it was a duty to be helpful, and often the most satisfactory reward for faithfulness and neatness was the privilege of being allowed to do something for the teacher.

A great gain over last year was seen in the interest shown by parents and neighbors in the school yard playgrounds. No neighbor, so far as is known, complained of the noise and some commended the playgrounds. One teacher writes in her report: "Many mothers visited me and asked my advice about their children, seeming truly interested in every attempt to keep them well employed." This in itself shows that the work was not in vain, as it reached the home and was helpful there. Another teacher writes: "I have been on very friendly terms with the mothers. Many of them came nearly every afternoon. I feel that those with whom I have talked thoroughly appreciate what has been done for the physical and moral influence of their children." One mother said: "I haven't had nearly as much complaint about my children since this yard opened, and I have decided it was just what they needed to keep them out of mischief."

Now that the novelty has worked off, the crowd of rough boys that used to gather on the outside to make mischief, if possible, has greatly decreased, fewer appeals being made to the police. The officers on duty were very helpful and the chief of police said of their work: "I believe in most, if not in all the yards, it was a labor of love, all believing that the children were very materially benefited, as well as made happy by the efforts of the committee in charge of the summer work."

The teachers had little trouble with discipline when they could keep the children busy. They came in such numbers that it was not always easy to have material enough to keep them occupied. One teacher said:

"Supplies must be furnished in liberal measure when you consider that fifty or more children are to be kept happily employed five hours a day for eight weeks." In Rindge Field there were sometimes more than two hundred children at one time. The committee feels that great praise is due to the superintendent and to the teachers. Tact on the part of the teacher and hearty play under proper supervision have often changed the unruly spirit into a helpful one.

Miss Brooks, the superintendent, pays a tribute to the vacation schools in saying: "The playground teacher aims to promote her children to the vacation schools. The vacation school children often join with the others and their influence is of value to all."

The expense for carrying on the nine playgrounds was $981.81.

THE PUBLIC LIBRARY AND THE SCHOOLS

The English High School has a library of about three thousand volumes. The Latin School has only about one-third of this number. Comparatively few books of a miscellaneous character have been added to these libraries for several years, the public library meeting the demand for such books. The need of the schools is for books of reference and for sets of books for class study. The library at the Latin School will in future receive accessions from the income of the Hopkins Classical Fund.

The grammar schools, with the exception of the Morse and Webster, are not supplied with books for general reading. These are obtained from the public library, and during the year, twenty-one thousand four hundred six books have been delivered to the schools.

The following is from the report of the librarian of the Cambridge Public Library:—

A plan of co-operation with the schools of the city, which was begun last year with such satisfactory results, was repeated this year. In accordance with this plan, visits to the library of the pupils of all the ninth grades of the public and parochial schools were made, for special instruction in the use of the card catalogue and of reference works, and for an inspection of all parts of the library itself. The visits lasted from April to May 17, twenty-two in all, including twelve public and four parochial schools, some grades coming in two divisions, and one grade in three. The extremes of attendance were sixty-five and nineteen, the average being about forty. Each class was accompanied by one or two teachers. In the absence of the children's librarian, Miss Alice O'Brien, by reason of illness, the instruction to each class was first given by the librarian, and the place of meeting was, as last year, the local history

room. In showing the pupils about the building the librarian was assisted by Miss Edna L. Brooks, the reference librarian, and by Miss Katherine A. O'Donnell, and the connection of the library with the schools and the local stations was explained by Miss Charlotte E. Stewart, in her room at the end of the stack. The same opportunity of visiting the library was given to the other private schools of the city, of which one availed itself, the Berkeley School for Girls. The obvious success of this plan should lead to its recognition as a permanent feature of the co-operation between the library and the schools, and its extension to include more special instruction in the use of the library, both by visits of other grades than the ninth, and by visits of the librarian or the children's librarian to the schools, for short talks in small groups, should be brought about as fast as possible.

In order to arouse still further the interest of the school children in the celebration of the Longfellow Centenary, the librarian visited the grammar schools of the city, public and parochial, during the week preceding the celebration, and gave, where convenient, brief talks to the pupils of the ninth grades.

Co-operation with the high schools has been thus far confined to the Rindge Manual Training School. At the request of the English department of that school, a special list of "Fifty standard books for older boys" was issued for the December Bulletin and in a separate edition of five hundred copies for school use. Condensed from a longer list of one hundred books, prepared chiefly by Mr. William O. Hubbard, instructor in the same department, it was designed to supplement a similar list of "Fifty recent books for older boys," which appeared in the Bulletin of the September before, and also to continue the endeavor on the part of the library to supply good reading for boys who are passing from the juvenile to the adult age. At the further request of Mr. Hubbard, the library has established in the school a deposit collection of one hundred books for use by the pupils of his classes in English and under his special supervision.

During the fall the special list of "Foundry practice and pattern-making," which was prepared two years ago by Mr. Richard H. Gallagher, has been revised to date, and copies in duplicate have been distributed to all the pupils of the school who wish to use it. In order to show the application of this special list to the methods of finding material in the library in any subject, especially when all the books bearing directly on the subject happened to be out, the librarian gave brief talks before each of the five divisions of Mr. Gallagher's and also Mr. James G. Telfer's classes. This new plan of co-operation has received

the cordial approval of the principal of the school, Mr. John W. Wood, Jr., as well as of the superintendent of schools. This revised list is to be followed by other similar lists, and the same plan of instruction may be repeated with the lists of object lessons immediately in hand.

TRUANT OFFICERS

The city is divided into four districts and to each of these districts a truant officer is assigned. Among their duties are the following: To visit each school at least once a day, unless otherwise directed by the agent; to prevent children from loitering about the school premises; to notify the teachers of all cases of contagious and infectious diseases reported by the board of health; to attend the evening schools when so directed by the agent of the board; to assist in the preservation of order, and to visit places of business where children are employed, to see that none are employed unlawfully. They make all complaints at the district court for truancy, absenteeism, or school offences, attend the trials as witnesses, and take boys to the Middlesex County Truant School when they are sentenced.

By the Rules of the School Board the work of the truant officers is done under the supervision of the committee on schoolhouses; and under the direction of this committee, it is the duty of the agent of the board to consider all cases of truancy, of persistent violation of the rules of the school, of juvenile vagrancy, of unlawful detention from school, of neglect by parents; and of any failure on the part of pupils or parents to comply with the Rules of the School Board or the public statutes relating to school attendance. It is also the duty of the agent to direct the officers to make complaints; to certify to the records in these cases when presented before the district court; and to exercise such supervision of the boys who are sent by the court from Cambridge to the truant school as may be allowed under the statutes.

The following is from the report of the committee on schoolhouses:—

The truant officers, Messrs. Cabot, Carmichael, Porter, and Riley, have continued the faithful and conscientious service of the past. They have investigated and reported on twelve thousand and twenty cases of absences; made thirty-three complaints of truants; visited two hundred fifty-four factories or mercantile establishments, and supervised the taking of the school census.

The census, which gives the number of children in the city between five and fifteen years of age, shows an increase over last year of one hundred twenty-six boys and fifty-five girls, a total of one hundred

eighty-one. The following is a summary of the school census for the year 1907:—

Number of children in the city between five and fifteen, boys, 8,024; girls, 8,086	16,110
Number in public schools between five and fifteen	12,493
Number in private schools between five and fifteen	3,283
Number not attending school between five and seven	132
Number not attending school between seven and fourteen	40
Number not attending school between fourteen and fifteen	162
Whole number not attending school between five and fifteen	334
Number in the city between five and six	1,640
Number in the city between seven and fourteen, boys, 5,721; girls, 5,779	11,500

At the beginning of the year there were forty-one boys at the truant school from Cambridge; nineteen have been discharged, and twenty-four sentenced to the school, so that now there are forty-six boys at the school. The cost of the transportation and care of these boys was $2,654.71.

The statistics of the private schools obtained by one of the officers show that there are ten private schools in the city, having three hundred fifty-eight pupils and receiving $45,430 tuition money. The five parochial schools contain three thousand eight hundred sixty-nine pupils, a total of four thousand two hundred twenty-seven pupils attending other than the public schools.

CONTAGIOUS DISEASES

The following act relative to school physicians and to testing the sight and hearing of pupils in the public schools, was passed by the Legislature in 1906:—

Section 1. The school committee of every city and town in the Commonwealth shall appoint one or more school physicians, shall assign one to each public school within its city or town, and shall provide them with all proper facilities for the performance of their duties as prescribed in this act; *provided, however,* that in cities wherein the board of health is already maintaining or shall hereafter maintain substantially such medical inspection as this act requires, the board of health shall appoint and assign the school physician.

Sec. 2. Every school physician shall make a prompt examination and diagnosis of all children referred to him as hereinafter provided, and such further examination of teachers, janitors and school buildings as in his opinion the protection of the health of the pupils may require.

Sec. 3. The school committee shall cause to be referred to a school physician for examination and diagnosis every child returning to school without a certificate from the board of health after absence on account of illness or from unknown cause; and every child in the schools under its jurisdiction who shows signs of being in ill health or of suffering from infectious or contagious diseases, unless he is at once excluded from school by the teacher; except that in the case of schools in remote and isolated situations the school committee may make such other arrangements as may best carry out the purposes of this act.

Sec. 4. The school committee shall cause notice of the disease or defects, if any, from which any child is found to be suffering, to be sent to his parent or guardian. Whenever a child shows symptoms of small-pox, scarlet fever, measles, chickenpox, tuberculosis, diphtheria or influenza, tonsilitis, whooping cough, mumps, scabies or trachoma, he shall be sent home immediately, or as soon as safe and proper conveyance can be found, and the board of health shall at once be notified.

Sec. 5. The school committee of every city and town shall cause every child in the public schools to be separately and carefully tested and examined at least once in every school year to ascertain whether he is suffering from defective sight or hearing or from any other disability or defect tending to prevent his receiving the full benefit of his school work, or requiring a modification of the school work in order to prevent injury to the child or to secure the best educational results. The test of sight and hearing shall be made by teachers. The committee shall cause notice of any defect or disability requiring treatment to be sent to the parent or guardian of the child, and shall require a physical record of each child to be kept in such form as the State board of education shall prescribe.

Sec. 6. The State board of health shall prescribe the directions for tests of sight and hearing and the State board of education shall, after consultation with the State board of health, prescribe and furnish to school committees suitable rules of instruction, test-cards, blanks, record books and other useful appliances for carrying out the purposes of this act, and shall provide for pupils in the normal schools instruction and practice in the best methods of testing the sight and hearing of children. The State board of education may expend during the year nineteen hundred and six a sum not greater than fifteen hundred dollars, and annually thereafter a sum not greater than five hundred dollars for the purpose of supplying the material required by this act.

Sec. 7. The expense which a city or town may incur, by virtue of

the authority herein vested in the school committee or board of health, as the case may be, shall not exceed the amount appropriated for that purpose in cities by the city council and in towns by a town meeting. The appropriation shall precede any expenditure or any indebtedness which may be incurred under this act, and the sum appropriated shall be deemed a sufficient appropriation in the municipality where it is made. Such appropriation need not specify to what section of the act it shall apply, and may be voted as a total appropriation to be applied in carrying out the purposes of the act.

Sec. 8. This act shall take effect on the first day of September in the year nineteen hundred and six. [*Chapter 592, Acts of 1906.*]

In accordance with Sections 5 and 6 of the above act, the rules of instruction, test-cards and blanks, furnished by the secretary of the State Board of Education, were sent to the schools in October and the tests of sight and hearing were made in November. In order that there might be as much uniformity as possible in the testing, the work in the smaller buildings was assigned to one teacher, and in the larger buildings to not more than two or three teachers.

Pupils in the kindergartens and in the first primary grade were not tested. The examinations revealed some cases of defective sight that were not suspected by the teachers, and also showed the seriousness of other cases and the need of immediate attention to them.

As required by the act, parents were notified if the eyesight of pupils was found defective. Many children have been provided with glasses and immediate improvement in work and in conduct has resulted. The examinations showed that twenty-five per cent of the pupils appeared to have some defect of vision.

Four per cent of the children above the first primary grade were found defective in hearing. The parents of these children were notified, and in most cases they have taken the children to physicians for treatment.

The tests made in 1907 showed four per cent less pupils defective in eyesight and two per cent less defective in hearing than in 1906.

Since 1894 the Cambridge Board of Health, in accordance with a request of the school committee, has appointed a physician, whose duty it is to examine all cases of contagious diseases reported, and to direct the exclusion from the schools of all pupils whose presence will, in his opinion, be a menace to the health of others. He reports his action on every case to the secretary of the school committee. This physician issues all certificates, authorizing such children to return to school, as provided by Chapter 502, Section 1, of the Acts of 1906.

As a further precaution against contagious diseases, the board of health established February 26, 1896, a system of medical inspection in the schools. The city was divided into six districts, in each of which a physician was appointed to visit the schools in that district. The duties of these physicians as now defined are as follows:—

1. The physcian shall enter each room of the schools which are subject to his inspection during the morning of every school day.

He shall receive from the principal of the school a written statement signed by him which shall state the name and rooms of the pupils which the respective teachers desire to have examined. If there should be no pupils to be examined, he shall receive for each school day, a written statement from the principal, stating the fact. He shall examine such children as are indicated to him by the teacher as having complained of, or appear to be suffering from disease. He shall enter such rooms, and inspect such other children or parts of the building as he deems wise, examining at least one school each day; being careful always not to disturb the work of the school more than is necessary, in order to learn the condition of the school and the health of the pupils.

2. The physician is to recommend to the principal to send home immediately any child whom he may suspect of having any infectious disease.

3. The physician must not recommend the employment of any special phyiscian or mode of treatment for the particular case, except in pediculosis and tinea, when he shall recommend the treatment by giving the pupil one of the cards provided.

4. In cases of nearsightedness or other trouble with the eyes, or deafness, or other ear trouble to which attention has been directed by the teacher, the physician is instructed to suggest that the principal recommend to the parents that the eyes or the ears of the pupils be examined.

5. The physician shall on the first of each month send to the office of the board of health the statements or cards which he has received and to which he shall add such comments as he thinks will be of value to the board of health.

The principal of each school is required to read the following at the beginning of each term in all the rooms under his charge:—

"Any teacher or pupil who visits any apartment in which a person has been sick within two weeks, or which has been exposed within that time to contagion of smallpox, varioloid, diphtheria, or scarlet fever, shall not be allowed to attend school until the expiration of two weeks after such visit."

From December 1, 1906, to December 1, 1907, the truant officers received notice through the office of the school committee and reported to the several schools the following number of cases of contagious diseases:—

Diphtheria	344
Scarlet Fever	413
Measles	61
Cerebro-spinal Meningitis	22

TERMS, HOLIDAYS, AND SCHOOL HOURS

The school year is divided into three terms—the autumn, the winter, and the spring term.

The time for beginning the autumn and spring terms, and for closing the winter and spring terms, is fixed annually at the regular meeting of the committee in February. The autumn term ends December 23. The winter term begins on the first school day after that celebrated as New Year's Day.

The holidays are Saturdays; Thanksgiving Day, with the preceding day and the day following; the twenty-second of February; the nineteenth of April; Good Friday; Memorial Day; the seventeenth of June, and in addition to these, for the high schools, Commencement Day at Harvard University.

The sessions of the high schools begin at 8.30 A. M., and end at 1.30 P. M. The sessions of the Rindge Manual Training School begin at 8.30 A. M. and end at 2 P. M. These schools have a recess of half an hour in each session.

With the exception of the Russell School, the morning sessions of the grammar and primary schools begin at 9 and end at 11.45. The afternoon sessions begin at 1.30 and end at 3.30. The grammar schools have no outdoor recess. In the primary schools the principal may, at her discretion, substitute an outdoor recess for the period devoted to physical training. The sessions at the Russell School begin at 8.30 A. M., and end at 1.30 P. M.

The sessions of the kindergartens are from 9 A. M. to 11.50 A. M.

There are two terms of the evening schools. The first term begins on the second Monday of October, and continues every Monday, Wednesday, and Friday evening, until the end of the week before Christmas. The second term begins on the first Monday, Wednesday, or Friday evening after the opening of the day schools in January, and continues thirty-five evenings. Vacations and holidays are the same as in the day schools. The sessions begin at 7.30 P. M., and continue until 9.30 P. M.

TEACHERS

In December there were four hundred sixty-four teachers in the public schools, including four unassigned teachers. Thirty-six have been nominated during the year; two, nominated as temporary teachers last year, have been given permanent positions; seven have been promoted to either temporary or permanent positions; twenty-three have resigned, and two have died. Four have been given leave of absence for rest or for some special reason, and four have been given leave of absence in accordance with the following Rule of the School Board:—

"Any teacher who has served in the city for ten years, may, on recommendation of the superintendent and vote of the Board, have leave of absence for one year for purposes of travel or study, and may receive one-third of his salary, provided the amount in no case shall exceed five hundred dollars."

Since the adoption of this rule in 1896, twenty-nine teachers have been given leave of absence, thirteen from the high schools, seven from the grammar schools, six from the primary schools, and three from the kindergartens.

Four teachers were put on the unassigned list in June, 1905, in accordance with the following Rules of the School Board:—

"The superintendent shall prepare and submit to the Board annually in June, a list of the teachers recommended by him for re-election.

"On this list he shall designate teachers who have taught in the Cambridge schools for twenty-five years or more and who have attained the age of sixty years, whose election he recommends to serve in an assistant, temporary or substitute capacity, at a salary of three hundred fifty dollars in grammar and primary schools and of four hundred fifty dollars in the high schools."

During the year two teachers have been made principals of the schools in which they were teaching; two have acted as principals during the absence of the regular principals; two have been promoted to the position of master's assistant, and one has been made teacher of the ninth grade.

Miss Helen A. Linehan, a teacher in the Boardman School from September, 1906, was suddenly killed on February 23, 1907, by the overturning of an electric car near her home in Amherst.

QUALIFICATIONS OF TEACHERS

A person to be eligible to the position of teacher in a kindergarten must have had a course in a high school, a course in a kindergarten normal school, a year's experience in teaching either in a kindergarten or a primary school, and must be able to play the piano; to be eligible to a position in a primary or grammar school, a teacher must have had a course in a high school, a course in a normal school, and a year's experience in teaching; to be eligible to a position in a high school, except in the manual training department of the manual training school, a teacher must be a college graduate. Equivalent preparation may be accepted. Preparations for the work of teaching as shown by years of study, and experience as shown by years of teaching, may be considered in fixing the salaries of teachers at the time of their nomination.

Two months after a teacher has been nominated to a position in a kindergarten or any school below the position of principal or master in a high or a grammar school, two experienced teachers who are not connected with the school in which the nominee is to serve, are designated by the superintendent to examine the teachers so nominated, while at work, and they report in writing to the superintendent; these reports, together with the testimonials and other papers relating to the qualifications and character of the teacher so examined and of all other nominees, are kept on file in the office of the superintendent and are open to inspection by members of the Board only.

The committee on teachers considers all nominations made by the superintendent. This committee confers with the superintendent, considers the reports of the examiners designated by him, makes further inquiry at discretion and reports to the Board.

Any nomination referred to the committee on teachers, unless confirmed, lapses at the expiration of six months, not counting the summer vacation. A teacher who has failed of confirmation is not to be nominated to a similar position within two years, except on the approval of the committee on teachers.

This committee inquires and reports to the Board in executive session as to the success of any teacher in the employment of the city when so requested by any member of the Board or by the superintendent, and no teacher under such inquiry receives the regular increase of salary except on the recommendation of this committee.

Under the direction of the superintendent, teachers may visit other schools to observe the discipline and instruction. They may be required to attend teachers' meetings or courses of instruction in

methods of teaching for one hour a week. Such meetings may be held on Saturday mornings during term time or at such other times, not in school hours, as the superintendent may direct. Meetings in addition to those indicated above may be held by the superintendent or may be called by him, on request of directors in special subjects.

SALARIES OF TEACHERS AND SCHOOL OFFICERS

Latin School and English High School.

Head Masters	$3,000 00
Masters	2,000 00
Masters' Assistants	1,200 00
Teachers, first year	700 00
with an annual increase of $50 until $950, the maximum, is reached.	
Assistant Teachers, first year	500 00
" " second year and each succeeding year	600 00

Rindge Manual Training School.

Head Master	$3,000 00
Master's Assistant	1,300 00
Teachers' salaries range from $900 to $1,500.	

Wellington Training School.

Master	$2,800 00
Supervising Teachers (three) first year	900 00
" " second year and each succeeding year	1,000 00
Master's Assistant, first year	800 00
" " second year and each succeeding year	900 00
Teachers of the eighth grade	700 00
" of the seventh grade	450 00
" in the training class from $200 to $450.	

Grammar and Primary Schools and Kindergartens.

Masters of grammar schools, maximum	$2,300 00
Sub-masters, first year	1,000 00
with an annual increase of $100 until $1,400, the maximum, is reached.	
Masters' Assistants, first year	800 00
" " second year and each succeeding year	900 00
Teachers of the ninth grade, first year	750 00
" " " " second year and each succeeding year	800 00
Special Teacher in grammar schools, first year	700 00
" " " " second year and each succeeding year	750 00
Principals of primary schools, first year	700 00
" " " " second year and each succeeding year	750 00
with five dollars additional for each room under her supervision.	
Teachers of grammar and primary schools and kindergartens, first year	450 00
with an annual increase of $50 until $700 is reached.	
Assistant Teachers of grammar and primary schools and of kindergartens, first year	450 00
with an annual increase of $50 until $600 is reached.	

Substitutes.

The pay of a substitute teacher in a high school, who is employed temporarily, is $2.50 a day; if employed one month or more, it is at the rate of $500, $600 or $700 a year, the sum to be determined by the superintendent, who shall consider the experience of the teacher and the position to be filled, in fixing the sum.

The pay of a teacher who is employed temporarily as a substitute in a grammar school, a primary school, or a kindergarten, is $1.00 a session; if employed one month or more, it is at the rate of $450 a year.

Special Teachers and Officers.

Director of Music	$2,000 00
Assistant Teacher in Music	800 00
Director of Drawing	2,000 00
Assistant Teacher in Drawing	800 00
Director of Nature Study (three-fifths time)	1,000 00
Director of Physical Training	950 00
Instructor in Physical Training in the High Schools	950 00
Director of Sewing	700 00
Teachers of Sewing	650 00
Superintendent of Schools	3,500 00
Supervisor of Primary Schools	1,350 00
Agent of the School Committee	2,350 00
Truant Officers (four are employed)	1,000 00
Secretary of the School Committee	400 00
Page of the School Committee	25 00
Secretary and Librarian of the Latin School	650 00
Secretary and Librarian of the English High School	650 00
Secretary and Librarian of the Rindge Manual Training School	650 00

Evening Schools.

Principal of High School	per evening	$4 00
Principal of Elementary Schools	" "	3 00
Teachers in Drawing Schools	" "	3 00
Teachers in High School	" "	2 00
Teachers in Elementary Schools	" "	1 50

MASSACHUSETTS ANTI-CIGARETTE LEAGUE

The work that is being done in the schools of Cambridge in conjunction with the Massachusetts Anti-Cigarette League should receive the commendation and the support of all who would protect our boys from contracting a habit that unfits them for school duties and that makes boys mean instead of manly.

The leagues at the Kelley, Putnam, and Wellington schools have enrolled most of the boys in those schools. Many of the members have taken such interest in the purpose for which the league exists that they have persuaded others to join, and by their influence and example have prevented those who have joined from falling out. Other leagues are to be formd.

The law that prohibits selling or giving cigarettes to children is clear. It is expressed in a few words and is as follows:—

ACTS OF 1901, CHAPTER 373.

AN ACT TO PROHIBIT THE SALE OR GIFT OF CIGARETTES TO ANY PERSON UNDER THE AGE OF EIGHTEEN YEARS.

Section 1. No person shall sell a cigarette to any person under the age of eighteen years.

Sec. 2. No person other than the minor's parent or guardian shall give a cigarette to any minor under the age of eighteen years.

Sec. 3. Any person violating any provision of this act shall be punished by a fine not exceeding fifty dollars.

Sec. 4. All acts and parts of acts inconsistent herewith are hereby repealed.

This law should be rigidly enforced everywhere. The school strives to hearten the boys for life's work and for life's trials. The person who sells cigarettes to school boys is tearing down what the school is building.

The city spends half a million dollars a year for the improvement of the youth.

The citizens cannot afford to allow the teachings of the school to be nullified by the acts of those who sell or give cigarettes to our boys in defiance of the law.

THE DEMAND FOR VOCATIONAL SCHOOLS

The Rindge Manual Training School enrolls a large number of boys who would not continue their studies in a secondary school if the courses offered were entirely academic. These boys are being fitted for larger usefulness in life by their training at this school. In the Rindge Manual Training School, however, the emphasis is clearly on the academic side and the manual training, being of a general character, is not in the nature of preparation for particular vocations. The school does, however, give its students such a drill and such a right attitude toward work that young men who have had this training have little difficulty in securing desirable employment at good wages.

In the first, third, and fourth years of the general and college courses in the Rindge Manual Training School five periods a week out of the thirty are given to shop work, and in the second year ten periods out of the thirty are given to this work. In the commercial course five periods out of thirty are given to shop work in each of the four years. Thus it will be seen that by far the greater part of the work is on the academic side.

The popularity of the Rindge Manual Training School, which by its instruction develops manual along with mental power, clearly proves that there is a demand for schools where the study of processes and of the uses of tools is a part of the work.

Schools should be established for boys who have a grammar school education or its equivalent, in which the instruction from the start shall have definite bearing upon vocation and in which the industrial training shall have quite as much time allotted to it as is given to academic studies.

The general training given by secondary schools does not appeal to parents whose boys must shortly be fitted to earn their livelihood. There is a demand for schools in which the training shall be particular and shall have definite reference to special trades and employments. Such schools if under State control could be so located as to accommodate the young men from neighboring towns and cities.

The Massachusetts Commission on Industrial Education is arranging for the establishment of schools of this character. Such schools when established will offer opportunities which will be eagerly sought by large numbers of grammar school graduates who are not attracted by the courses of study now offered in the high schools.

RUEL H. FLETCHER, MASTER OF THE THORNDIKE GRAMMAR SCHOOL

Mr. Ruel H. Fletcher, master of the Thorndike Grammar School, graduated his fiftieth class on the twentieth of June, 1907. The occasion was made memorable by the tributes paid to Mr. Fletcher. After the diplomas had been awarded, Edward A. Counihan, Jr., Esq., the sub-committee in charge of the Thorndike School, who is himself one of Mr. Fletcher's graduates, took charge of the exercises. Mr. Counihan spoke of his own experience as a pupil in the Thorndike School, and his tribute to Mr. Fletcher, coming as it did from one who, having been a pupil in the school, is now the committee in charge, was especially appropriate. Mr. Counihan then read the resolutions in honor of Mr. Fletcher that he had prepared for the school committee. On behalf of the graduates he presented to Mr. Fletcher a purse containing a sum of money, and also fifty dollars in gold from the pupils of the school. Other addresses were made by Hon. Walter C. Wardwell, Mayor of Cambridge, Rev. John O'Brien, Rev. Lawrence J. Glynn, Col. John D. Billings, representing the grammar masters, and William C. Bates, superintendent of schools.

Mr. Fletcher's response was in grateful appreciation of the support he has had for half a century from citizens, from officials, from associate teachers and from pupils.

The following preamble and resolutions, submitted by Mr. Counihan and adopted by a unanimous rising vote of the committee at the meeting of June, 1907, show the honor in which Mr. Fletcher is held in the city where he has served so long.

"The occurrence of any important event which rounds to completion a half-century of earnest and productive service for the public welfare deserves more than ordinary recognition.

Such an event marks the exercises of the Thorndike Grammar school to-day and we therefore should not permit the occasion to pass unnoticed.

On this twentieth of June, 1907, the honored master of this school presents his fiftieth graduating class from this particular school, the members of which have received their diplomas from the hands of His Honor the Mayor.

Ruel H. Fletcher, the principal of the Thorndike Grammar School, whom our city of Cambridge, through its school committee, desires now to honor, was appointed in the year 1857 as master in the identical school where he has ever since been located. He had previously

been a teacher in the town of Quincy, Mass., from which place he was called to this city.

The history of his tireless service as an educator in our city, though it has been told on another graduating occasion in this school, may be stated briefly as follows:—

In 1857 he was called to take charge of the Otis School, then kept in a small wooden building on Otis Street, which in January, 1858, was destroyed by fire, and shortly afterwards replaced by a brick structure built upon the same site.

In 1861 the Thorndike schoolhouse was built on the corner of Thorndike and Sixth Streets, and soon afterwards Mr. Fletcher moved his school into this building. To meet the growing needs of this locality the building was remodeled in the year 1875.

The conspicuous merits of our friend, as shown in the exercise of the high calling which he has followed for so many years in the community, induced our school committee to perpetuate his name as a successful educator by giving it to the new school building on Elm Street, now known as the Fletcher School. We recall the incident as a part of the history of this school, that on the occasion of the graduation exercises of the year 1906, a beautiful oil portrait of Mr. Fletcher, the work of one of our teachers, was presented to the school by the Thorndike School Association, and it now adorns the walls of one of its rooms.

During all these fifty years of his unwearied service in moulding and training young minds of this community, upwards of two thousand have graduated under his direction and have gone forth well fitted for the active duties of life. Of the graduates of our grammar schools it is well known that by far the larger portion are obliged at once to look for business situations or work at manual labor; only a favored few have the opportunity before them to seek the advantages of the higher education.

Many of our best-known citizens have, through his careful guidance, been started upon the highway of life well equipped and ready for the work before them. They now look back to the years when they were under his immediate care and instruction with deep gratitude and affection toward their old teacher.

Thus we may briefly recite the outward history of the career of our friend as a teacher in our city, but who, except those with the inner expression of the life to which he has devoted himself, can fully know of the effort which he has put forth during all these fifty years of struggle and personal sacrifice. In the beginning anew from year to

year with each successive incoming of young souls, that have been given to his patient care, in the well doing in which he has never become wearied, and in all his life work as an instructor of youth, we feel that he has been true to the uttermost, and the contemplation of the good results that have come from lifelong association with our public school system must bring to him an enduring satisfaction. His many friends among his former pupils and in the larger circle of the people of this good city that have so long enjoyed the benefit of his influence and example, all now join in their cordial appreciation of the service he has done for us all.

Let his name, then, be kindly remembered and in the annals of our city go down to the generations that shall follow as surrounded with a laurel wreath of glory. Faithful ever to his allotted task, he has more honor than he who has builded a city.

Be it, therefore, resolved: That the school committee expresses in this manner its appreciation of the patient, industrious, and successful efforts of Mr. Fletcher, and extends to him its sincere congragulations; and

Be it further resolved: That a copy of these resolutions be entered upon the records of the school committee, and that a copy be sent to Mr. Fletcher."

The following letter was received from Mr. Fletcher and was placed on file at the meeting of the committee in September:—

To the School Committee of Cambridge:—

I desire to thank you most heartily for the gracious tribute paid me on the occasion of the graduation of my fiftieth class in the Thorndike School. My long service as a teacher must be regarded as my life work, and it gives me great satisfaction to be assured that this service has been such as to win your cordial appreciation.

If I may claim success as a teacher it is largely due to my love of boys and girls, to my interest in their welfare, and to my fondness for the work of teaching. Moreover, I have ever been much encouraged by manifestations of good will on the part of parents and pupils, have been ably assisted by loyal associate teachers, and heartily supported by school superintendents and school committees. With such help one ought not to fail of success.

Thanking you again for your kind expressions of appreciation, I am, Most sincerely yours,

RUEL HASSELTINE FLETCHER.

The school named in honor of Mr. Fletcher graduated its first class a few days before Mr. Fletcher graduated his fiftieth class at the Thorndike School. Mr. Fletcher was the principal guest at the first graduation at the Fletcher School, and his presence and his address to the graduates and their friends made the occasion a notable one in the history of the Cambridge schools.

LONGFELLOW DAY

On the morning of Wednesday, the twenty-seventh of February, 1907, the schools celebrated the One Hundredth Anniversary of the birthday of Henry Wadsworth Longfellow. There was no session in the afternoon in order that pupils of the upper grades might attend "The Children's Hour."

Every room in every school in the city had such exercises as were suited to the age of the children. The programs of all the schools were sent to the office of the superintendent and are to be preserved as a valued record of one of the special occasions in which the schools have had part.

Two of the programs will show the character of the celebrations in the schools. The first is the program that was followed at one of the mixed schools when all the children were assembled in the hall:—

1. Reading. Mr. Longfellow's letter to the schools of Cincinnati when asked to celebrate his birthday with them.
2. Reading. An Autograph Letter. This was written to a Cambridge teacher by Mr. Longfellow. It was loaned to a teacher in this school and was read by her with comments.
3. Recitation. Children.
4. Recitation. The Children's Hour.
5. Recitation. The Psalm of Life.
6. Singing. The Bridge.
7. Recitation. The Arrow and the Song.
8. Declamation. Excelsior.
9. Recitation. To the River Charles.
10. Solo. Sing Me to Sleep.
11. Recitation. The Rainy Day.
12. Recitation. The Village Blacksmith.
13. Recitation. Selections from Hiawatha.
14. Singing. The Ship of State.
15. Recitation. The Sermon of St. Francis.
16. Singing. Stars of the Summer Night.
17. Recitation. The Old Clock on the Stairs.

The following is the order of exercises in a primary school:—

1. Song. The Cambridge Hymn.
2. Recitation. Hiawatha's Sailing.
3. Recitation. The Children's Hour.
4. Song. Owlet Song.
5. Reading. The Wreck of the Hesperus.
6. Recitation. The Village Blacksmith.
7. Song. Lullaby.
8. Recitation Short sketch of Mr. Longfellow's Life.
9. Reading. Children.
10. Exercise. Mounting of Pictures of Mr. Longfellow on pupils' Booklets.
11. Singing. America.
12. Exercise. Salute to the Flag.

At "The Children's Hour" in the afternoon about thirteen hundred pupils from the upper grades of the public and private schools listened to an address by Bishop Lawrence, who presided, and to readings by Mr. Charles T. Copeland. The selections read by Mr. Copeland were a part of "Hiawatha" and all of "Paul Revere's Ride." The following songs were sung by Mrs. Laura Comstock Littlefield: "The Children's Hour," "Stars of the Summer Night," "The Arrow and the Song," "The Old Clock on the Stairs," "Beware," and "A Serenade." Mr. H. Lambert Murphy, the leader of the Harvard Glee Club, sang "Hiawatha's Death Song" and "My Bark Canoe." At the close of the exercises the children sang "Excelsior."

At the celebration at Sanders Theatre in the evening, a chorus of pupils from the high schools, under the leadership of Mr. Frederick E. Chapman, the director of music in the Cambridge schools, rendered "The Village Blacksmith."

CONCERNING SOME CHANGES

Special efforts are being made to prevent pupils from leaving school before graduation unless sickness or family necessity compels them to do so. Two meetings were held in September, one of the teachers of the high schools, the other of the teachers of the grammar schools, at which the importance of keeping pupils in the schools until the end of the course was discussed. Emphasis was laid upon the fact that the pupil who is poor in his work, who is slow, who is discouraged, or who is poor in conduct, especially needs the heartening, the help, the leading into better ways of life that the school must give if it is to accomplish the work for which it exists. For there is no weaker thing that the school can do than to advise those pupils whose natural development is slow to withdraw from school and so go out into life handicapped by lack of mental development. It is true, too, that the pupil whose conduct is poor is the one who especially needs the saving help of the school to keep him from falling into a worse condition.

Knowing that many pupils would leave the high schools and the grammar schools during the year, notwithstanding efforts to retain them the teachers and superintendent agreed to study, so far as possible, the case of every pupil who should leave the schools after the adjustments of organization had been made for the year.

On the fourteenth of October lists of the pupils in each grade in the high schools and in each grammar room were sent to the office of the superintendent of schools, and after that date whenever a pupil left one of the high schools or grammar schools the case was reported to the superintendent, care being taken to learn and report upon the reason why the pupil left school. In the ten weeks from the middle of October to the Christmas vacation, sixty-three pupils withdrew from the high schools. Forty of these were in the tenth grade, ten in the eleventh, eight in the twelfth, three in the thirteenth, and two in the fourteenth grade.

Sixteen left to go to work, and eight to help at home. Thirteen withdrew on account of poor health, and eleven because of failure to keep up in their studies. Six moved out of the city; five went to commercial schools; two left because of poor conduct; one withdrew to be married, and one was transferred to another high school in the city.

In these ten weeks three hundred fourteen children in the grammar schools left the place in which they were when the special report of enrollment was made. Of these, seventy-four were in the fourth grade, fifty-six in the fifth, sixty-nine in the sixth, sixty in the seventh, thirty-three in the eighth, and twenty-two in the ninth grade.

The ten weeks under consideration are a fourth of the school year.

If the changes are at the same rate for the whole of the year, twelve hundred pupils, or about one-sixth of the whole number enrolled in the grammar schools either leave the Cambridge schools or are changed to other schools in the city.

It is interesting to know more about the children who are discharged from the grammar schools.

Of the three hundred fourteen cases reported, eighty-eight were transferred to other schools in Cambridge either because the families of which they were members had moved, or, in a few instances, because they were found to be attending schools in districts to which they did not belong. Thirty-eight went to Boston, twenty-two to Somerville, and twelve to other towns and cities in the immediate vicinity of Boson. Thirty-eight went to other towns and cities in Massachusetts outside of greater Boston and sixteen went out of the State. Thirty-nine went to work in mercantile or manufacturing establishments, twenty-one left to help at home, eight went to parochial or private schools, two went to Europe and one died. Included in the three hundred fourteen were twenty-nine who had failed to do the work of the grade to which they had been promoted on trial and so were returned to the next lower grade.

In the ten weeks, seventy-four pupils went from the grammar schools of Cambridge to the grammar schools of greater Boston, and about an equal number came from those cities and towns to Cambridge. This indicates that about three hundred go from Cambridge to greater Boston, and about three hundred come to Cambridge from greater Boston in a school year.

These pupils, whether they go from us or come to us call for sympathy and for special care. To the other members of the family it may make little difference if they live in one city this month and in another city next month, but for the children it is a serious matter. It is often difficult for pupils to adjust themselves to the educational arrangements that differ so essentially in the cities and towns that make up the metropolitan district. A pupil who comes from the eighth grade, for instance, in another city may find himself placed in the seventh grade in Cambridge, while one who goes from the eighth grade in Cambridge to the very city from which the other pupil came may find his place in the seventh grade, too. All this may happen and does happen because the courses of study are so differently arranged.

The difficulty of placing pupils who come from Boston to Cambridge is still further increased by the fact that the regular course in the elementary schools of Boston is now eight years, while in Cambridge it is nine years.

CAMBRIDGE TEACHERS' CLUB

The officers of the Cambridge Teachers' Club for the school year 1907-1908 are as follows:—

PRESIDENT
WILLIAM F. BRADBURY

VICE PRESIDENT
MARY I. VINTON

TREASURER
H. WARREN FOSS

SECRETARY
MARIA L. BALDWIN

EXECUTIVE COMMITTEE
MARY E. TOWLE MARY A. RADY
CAROLINE A. LEIGHTON

The club helps both the professional and the social life of the teachers.

By lectures, by musical entertainments, and by social meetings it brings into more cordial relations those who are associated in school work.

The club took fine notice of the day on which ex-Superintendent Cogswell was eighty years of age. It was agreed that all the members of the teaching corps should call at the office at the close of the afternoon session to meet Mr. Cogswell in the place where so much of his work had been done. Mr. Cogswell was not told that a celebration of his birthday had been planned, and he was asked to go to the office on a matter of business.

There for nearly two hours in the place that had been his work room, and which had been decorated with flowers and plants, Mr. Cogswell was greeted by city officials, by teachers, and by friends.

The occasion was another expression of affection and respect for one who, having voluntarily laid aside the severe burdens of school administration, yet continues to help and hearten us by his interest in boys and girls and by his good will toward all who are carrying forward his work.

Respectfully submitted,

WILLIAM C. BATES,
Superintendent of Public Schools.

In School Committee, February 20, 1908.

Ordered, That the report of the superintendent as read and outlined by him be accepted and adopted as the annual report of the school committee for 1907, and that the secretary be authorized to append the names of the school committee thereto.

SANFORD B. HUBBARD,
Secretary.

Members of the School Committee for 1907

WALTER C. WARDWELL, *Chairman ex-officio.*

WARREN P. ADAMS
GEORGE W. BICKNELL
LAWRENCE G. BROOKS
CAROLYN P. CHASE
EDWIN L. CHENEY
EDWARD A. COUNIHAN, Jr.
ADA R. KINSMAN
SHERMAN R. LANCASTER
JAMES A. LEW
WILLIAM TAGGARD PIPER
J. HENRY RUSSELL
FRANK E. SANDS
JOSEPH E. SHARKEY
JOHN E. SOMERS
ROBERT WALKER

APPENDIX

ORDINANCES

PASSED BETWEEN MARCH 25, 1907, AND APRIL 1, 1908, AND AMENDMENTS TO STANDING REGULATIONS OF BOARD OF ALDERMEN.

An Ordinance in Amendment of an Ordinance Entitled "Fire."

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 9 of Chapter 11 of the Revised Ordinances of 1892, as amended to November 8, 1899, and as further amended by ordinances approved April 10, and December 31, 1901, and March 30, 1905, is hereby amended by adding at the end of Section 9 thereof, amended as aforesaid, the following: The permanent force of the Fire Department shall be increased by four members who shall be assigned as the Chief Engineer may direct, and the number of call men shall be reduced by four. [*Approved May* 8, 1907.

An Ordinance in Amendment of an Ordinance Entitled "City Scales and Weighers."

Be it ordained by the City Council of the City of Cambridge, as follows:

Chapter 32 of the Revised Ordinances of 1892 as amended to November 8, 1899, and as further amended by an ordinance approved July 3, 1902, is hereby amended in Section 4 thereof by striking out the word "one-half" in the fourth line and inserting in place thereof the word "three-fifths." As amended the aforesaid section will read as follows:—

Section 4. The fees for weighing to be received by the weighers, which they shall pay to the treasurer quarterly, shall be as follows: Three-fifths of a cent for every hundred pounds of coal, pig-iron, stone, sand, produce, provisions or ice, and one cent for every hundred pounds of hay, straw, or other articles, provided, however, that the fees for weighing any article other than hay or stray shall never be less than ten cents, and no single fee shall exceed one dollar in amount.

The vehicle containing the same, and other tare, shall be weighed

without charge, and no fees shall be taken for weighing done on account of the city. [*Approved September* 18, 1907.

An Ordinance in Amendment of Ordinance Entitled "Duties and Salaries Relative to the Salaries of Deputy Sealers of Weights and Measures.

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 30 of Chapter 28 of the Revised Ordinances of 1892 as amended to November 8, 1899, and as further amended to April 5, 1905, is hereby amended relative to the Deputy Sealer of Weights and Measures, so that the same shall read Deputy Sealers of Weights and Measures, each $900.00 [*Approved October* 24, 1907.

An Ordinance in Amendment to an Ordinance Entitled "City Electrical Department."

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 11, Chapter 14 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended by inserting in the eleventh line after the word "wire" the words "except supporting wires for cables and ring construction."

As amended this section will read as follows:

Section 11. Every person or corporation owning, operating or leasing any poles, wires, ducts, conduits, manholes, electrical structures or appliances within the public ways of the City of Cambridge shall comply with all rules and requirements of the Board of Aldermen with respect to the quality of poles, wires, ducts, conduits, manholes, structures and other appliances, and with all rules and requirements of said board with respect to their installation, removal and repair, and shall, at all reasonable times, give to the City Electrician access to such poles, wires, ducts, conduits, manholes, structures, appliances and apparatus. No line or wire excepting supporting wires for cable and ring construction shall be attached to any pole by means of brackets or other side fixtures, nor shall the wires or lines of more than one party be placed on the same crossarm.

No corporation or persons maintaining or operating a wire or line of wires for the transmission of electricity shall affix to or place upon any pole, structure or fixture owned by it or them, and now erected

or that may be erected hereafter, any additional wire or wires, except upon a written permission of the City Electrician.
[*Approved October 22, 1907.*

An Ordinance in Amendment of an Ordinance Entitled "Sealer of Weights and Measures."

Be it ordained by the City Council of the City of Cambridge, as follows:

Chapter 22 of the Revised Ordinances of 1892 as amended to November 8, 1899, and further amended to January 3, 1902, is hereby amended so that the Chapter shall read as follows:

Section 1. The Sealer of Weights and Measures' Department shall be under the charge of the Sealer of Weights and Measures. The department shall consist of a Sealer of Weights and Measures and two Deputy Sealers of Weights and Measures, who shall hold their respective offices for the term of one year from the first day of April in the year of their appointment subject to removal at any time by the Mayor and Aldermen.

The Sealer of Weights and Measures shall have general control and supervision of all the public scales in the city, and in case of his absence or inability to perform his duties from any cause the senior Deputy Sealer shall exercise said duties. Annually in the month of December he shall make a full report of all matters pertaining to his department with an inventory of all property of the city in his charge.
[*Approved October 24, 1907.*

An Ordinance in Amendment of an Ordinance Entitled "Duties and Salaries," Relative to the Salary of the City Physician.

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 30 of Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended in the line relating to the salary of the City Physician, by striking out the figures $1,500.00 and inserting in place thereof the figures $2,000.00.

As amended the line will read as follows:

City Physician $2,000.00

This ordinance shall take effect on the first day of December, 1907. [*Approved December 4, 1907.*

An Ordinance in Amendment of an Ordinance Entitled "City Scales and Weighers."

Be it ordained by the City Council of the City of Cambridge, as follows:

Chapter 32 of the Revised Ordinances of 1892 as amended to November 8, 1899, is hereby amended in Section 6 thereof by striking out the word "one-half" in the second line of said Section and inserting in place thereof the word "three-fifths."

As amended the aforesaid Section will read as follows:—

Section 6. Each weigher shall receive as full compensation for his services a sum equal to three-fifths of the fees received by him. [*Approved December* 17, 1907.

An Ordinance in Amendment of an Ordinance Entitled "Fire."

Be it ordained by the City Council of the City of Cambridge, as follows:

Chapter 11 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended by adding a new section as follows:

Section 28. The permanent men of the department shall be allowed one day off in six, and in case the Chief Engineer shall consider it necessary, he may require all men to remain on, or report for duty. [*Approved December* 27, 1907.

An Ordinance in Amendment of an Ordinance Entitled "Duties and Salaries."

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 30 of Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended by striking out the figures "$2,000.00" in the sixteenth line and inserting in place thereof the figures $2,500.00.

As amended the sixteenth line in the section aforesaid will read as follows:

Superintendent of Streets . . . $2,500 00

[*Approved December* 31, 1907.

An Ordinance in Relation to the Construction, Maintenance and Inspection of Buildings.

Be it ordained by the City Council of the City of Cambridge, as follows:

ADMINISTRATION.

Section 1. There shall be in the city of Cambridge a department, to be called the Building Department, which shall be under the charge of a Superintendent of Public Buildings, hereinafter designated as the Superintendent, who shall also be the Inspector of Buildings. The Superintendent, who shall have had at least five years' experience as an architect or a builder, shall be appointed by the Mayor, subject to confirmation by the Board of Aldermen. He shall receive such salary as shall be fixed by ordinance. He shall have sole charge of the construction, inspection, repair, alteration, care and custody of all public buildings of the city, except schoolhouses, not constructed for or by any other special department, and of the construction and alteration of schoolhouses, and shall supervise and direct the construction and alteration of buildings of other departments whenever so requested by any such department.

The present officers and employees of the Building Department shall hold their several offices and positions during their term of office or until removed or discharged according to law.

The Superintendent shall, under civil service rules, with the approval of the Mayor, appoint a clerk and such number of inspectors, employees and assistants as the Mayor shall, from time to time determine. No person shall be appointed as inspector of construction who has not had at least five years' experience as a builder, architect, or as a superintendent or foreman, or competent mechanic in charge of building construction.

The Superintendent may appoint as his deputy an inspector in the department, who shall, during the absence or disability of the Superintendent, exercise all the powers of the Superintendent, and in case he shall fail to act, the Mayor may designate such a deputy. No officer connected with the department shall engage in any other business or be interested in the doing of work or the furnishing of material for the construction, repair or maintenance of any building, or in the making of plans or of specifications therefor, unless he is the owner of the building or a member of the Board of Appeal.

The clerk of the department shall, under the direction of the Superintendent, keep a record of the business of the department, and

the Superintendent shall submit to the Mayor a yearly report of such business. The records of the department shall be open to public inspection. The Superintendent may require plans and specifications of any proposed structure or for the alteration of any structure or building to be filed with him, duplicates of which, when approved by the Superintendent, shall be kept at the building during the progress of the work. Such duplicate shall be open to the inspection of any inspector in said department.

The Superintendent shall grant permits for the construction, alteration, removal or tearing down of buildings or structures, and for plumbing and setting and maintenance of steam boilers and furnaces when application for the same are made and filed in conformity with law.

All permits issued by the Superintendent shall be on printed forms approved by him.

If the Superintendent finds that the terms of a permit are being violated, he may, after notice mailed to the person to whom the permit was issued, order the whole or any part of the work which is being done under the permit to be stopped, and such work shall not be resumed until the terms of the permit have been complied with, to the satisfaction of the Superintendent.

All applications for permits under the provisions of this ordinance shall be in writing, on forms furnished by the department. The Superintendent may require the material facts set forth in the same to be verified by the oath of the applicant; he may also require, in his discretion, a survey of a lot on which any proposed building is to be erected to be filed with the application. Every application shall state the name and address of the owner.

Sec. 2. The Superintendent, or one of his inspectors, shall examine as often as is practicable every building in the course of construction or alteration, and shall make record of all violations of this ordinance and of all other matters relative thereto. The publication of such records, with the consent of the Superintendent, shall be permitted.

Sec. 3. The Superintendent, or one of his inspectors, shall examine any building reported as dangerous or damaged, and shall make a record of such examination, stating the nature and estimated amount of the damage, and the purpose for which the building was used, and in case of fire, the probable origin thereof; and shall examine all

buildings in respect to which applications have been made for permits to raise, enlarge, alter or repair, and shall make a record of every such examination.

Sec. 4. The Superintendent or one of his inspectors shall inspect every building or other structure or anything attached to or connected therewith which he has reason to believe to be unsafe or dangerous to life, limb, or adjoining buildings, and if he finds it unsafe or dangerous, he shall forthwith in writing notify the owner, agent or any person having an interest therein to secure the same, and shall affix in a conspicuous place upon its external walls a notice of its dangerous condition. Said notice shall not be removed or defaced without his consent.

The Superintendent may, with the written approval of the Mayor, order any building which in his opinion is unsafe to be vacated forthwith.

Sec. 5. The person notified as provided in the preceding section shall secure or remove said building, structure, attachment or connection forthwith. If the public safety so requires, the Superintendent, with the approval of the Mayor, may at once enter the building or other structure, the land on which it stands or the abutting land or building, with such assistance as he may require, and at the expense of the owner secure the same and erect such protection for the public by proper fence or otherwise, as may be necessary, and for this purpose may close a public highway.

BOARD OF APPEAL.

Sec. 6. There shall be in the city of Cambridge a board, to be called the Board of Appeal, which board shall consist of three members, including always one architect and one master builder, who shall be appointed by the Mayor, subject to confirmation by the Board of Aldermen.

In the month of March in the year nineteen hundred and eight the Mayor shall, subject to confirmation as aforesaid, appoint one member of said board, who shall hold office for a term of one year from the first day of said month; one member, an architect, who shall hold office for a term of two years from the first day of said month, and one member, a master builder, who shall hold office for a term of three years from the first day of said month; and annually thereafter in the month of February the Mayor shall, subject to confirmation as afore-

said, appoint one member of said board who shall hold office for a term of three years from the first day of March following.

The Mayor shall likewise, subject to confirmation, as aforesaid, fill all vacancies in said board caused by death, resignation, or removal, for any unexpired term.

Members of said board shall hold office until their successors shall have been appointed and shall have qualified.

Any member of said board may be removed by the Mayor for malfeasance, incapacity or neglect of duty, subject to approval by the Board of Aldermen.

No member of said board shall sit on a case in which he is interested, and in case of such disqualification, or of the necessary absence of any member, the other two members shall appoint a substitute. If two or more members are so disqualified or absent, the Mayor may appoint substitutes to act during disqualification or absence.

The clerk of the Building Department shall act as clerk of said board. The reasonable expenses of said board, including such clerical assistance and office expenses as shall be approved by the Mayor, shall be paid by the City of Cambridge.

Sec. 7. An applicant for a permit whose application has been refused by the Superintendent may appeal therefrom within ninety days. A person may appeal from any decision of the Superintendent within ten days after being notified of such decision, by giving to the Superintendent notice in writing of his appeal. Said notice or a certified copy thereof shall be at once transmitted by the Superintendent to the Board of Appeal. After notice to the appealing party, the Superintendent, and to such other parties as the board shall order, a hearing shall be had, and said board shall affirm, annual or modify said refusal or order.

Every decision of said board shall be in writing, shall require the assent of two members, except as otherwise provided herein, shall specify the variations allowed and the reasons therefor, and shall be filed in the office of the Superintendent within ten days after the hearing. A certified copy shall be sent by mail or otherwise to the applicant, and a copy kept publicly posted in the office of the Superintendent for two weeks thereafter. If the order or refusal of the Superintendent is affirmed, such order or refusal shall have full force and effect. If said order or refusal is modified or annulled, the Superintendent shall issue a permit in accordance with said decision.

The provisions of this section shall also apply to any similar action or order of the city electrician.

Sec. 8. Methods of construction or maintenance equally substantial to those required by the provisions of the ordinance may be allowed with the written consent of the Superintendent and the Board of Appeal specifying such methods. A record of the method allowed shall be kept in the office of the Superintendent.

It shall be the duty of the Board of Appeal to submit to the Mayor on or before the first of December of each year a report giving a summary of all decisions of the board, together with such recommendations for revision of the law as may to them seem advisable.

Any requirement necessary for the strength or stability of any proposed structure or the safety of the occupants thereof not specifically covered by this ordinance shall be determined by the Superintendent, subject to appeal.

Sec. 9. The fire limit districts of the City of Cambridge shall be as follows:

FIRE LIMITS.

A.—For the better protection of the lives and property of the inhabitants and other persons, it is hereby ordained that: The territory at and within the distance of three miles from the present City Hall be and hereby is established as a fire limit.

B.—Within the fire limit, as established, all dwelling houses of more than two stories in height, now or hereafter erected, and within the distance of ten feet from any other building or structure, shall be furnished with a front and rear stairway, or some equally safe means of egress.

First.—Starting from the westerly end of Harvard Bridge on Massachusetts Avenue and running continuously therefrom on both sides of Massachusetts Avenue to Waterhouse Street, including Lafayette, Central, Putnam, Quincy and Harvard Squares and within the area included between the city building lines wherever established on said Massachusetts Avenue and squares, and where such building lines are not established, within the area included between the lines of private ownership adjacent to the lines of said Massachusetts Avenue and squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Massachusetts Avenue and all sides of said squares, between the

westerly end of Harvard Bridge and said Waterhouse Street as aforesaid.

Second.—Starting from the westerly end of Craigie Bridge and running continuously therefrom on both sides of Bridge Street to and including Lechmere Square, and thence running continuously westerly on both sides of Cambridge Street to and including Inman Square, and within the area included between the city building lines wherever established on said Bridge and Cambridge Streets and said squares and where building lines are not so established, within the area included between the lines of private ownership adjacent to the lines of said Bridge and Cambridge Streets and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of erly side of Charles River on the westerly end of West Boston Bridge, and all sides of said squares between the westerly end of Craigie Bridge and Inman Square as aforesaid.

Third.—Starting from the harbor commissioners' line on the westerly side of Charles River on the westerly end of Cambridge Bridge, and running continuously on both sides of Main Street to and including Kendall Square and Smith Square, and thence running continuously westerly on both sides of said Main Street to its intersection with Massachusetts Avenue at Lafayette Square and with the area included between the city building lines wherever established in said Main Street and said squares and where building lines are not so established within the area included between the lines of private ownership adjacent to the lines of said Main Street and said squares and a line distant one hundred feet to the right and left at right angles from each and every point of said building lines and said street lines of private ownership on both sides of said Main Street and all sides of said squares between the harbor commissioners' line on the westerly end of Cambridge Bridge to Lafayette Square as aforesaid.

Fourth.—All that territory which lies south and west and is bounded northerly and easterly by the first fire district above described, and is included on all its other sides within and is bounded westerly and southerly by the following lines: Commencing at a point in the westerly limit of said first fire district one hundred feet northerly from the northerly line of Church Street, thence running continuously southwesterly and southerly on a line distant one hundred feet at right angles from each and every point of the northerly or westerly line of said Church Street to Brattle Street, and thence across said

Brattle Street, at right angles therewith, and then continuing in the same line to a point on property of private persons distant one hundred feet southerly from the southerly line of Brattle Street; thence running easterly continuously on a line distant one hundred feet, at right angles, from each and every point of the southerly line of said Brattle Street, across Brattle Square to the intersection of the southerly line of Mt. Auburn Street with said Brattle Square; thence northeasterly continuously along and bounded by the southerly line of Mt. Auburn Street to Putnam Square and the southerly boundary line of the first fire district above mentioned.

Fifth.—Commencing at the intersection of the southerly line of Broadway with the westerly line of Sixth Street and running continuously westerly therefrom on the southerly side of Broadway to Clark Street and within the area included between the lines of private ownership adjacent to the southerly line of said Broadway and a line distant one hundred feet to the left at right angles from each and every point of said street lines of private ownership on the southerly side of Broadway, between said Sixth Street and said Clark Street.

Sixth.—All that territory which is included between the following lines: Commencing at the intersection of the westerly line of Third Street with the southerly line of Broad Canal; thence running continuously northwesterly along and bounded by the southerly line of said Broad Canal and the division line between Wards two and three to the southerly line of said Potter Street; thence running continuously westerly along and bounded by the southerly line of said Potter Street to the easterly line of Portland Street; then running continuously southerly along and bounded by said easterly line of Portland Street to the northerly line of Broadway; thence running continuously easterly along across Mechanics' Square and bounded by the northerly line of said Mechanics' Square and said Broadway to the westerly line of said Third Street; thence running continuously northerly along and bounded by the westerly line of said Third Street to the point of beginning.

Seventh.—All that territory which lies south and is bounded northerly by the second fire district, above described, and is included on all its other sides within and is bounded easterly, southerly and westerly by the following lines: Commencing at a point in the southerly limit of said second fire district on the westerly side of First Street one hundred feet southerly from the southerly line of Cambridge Street; thence running continuously southerly along and

bounded by said westerly line of First Street to the northerly line of Spring Street; thence running continuously westerly along and bounded by said northerly line of said Spring Street across said Third Street to a point distant one hundred feet westerly from the westerly line of said Third Street; thence running northerly continuously therefrom on a line distant one hundred feet to the left at right angles from each and every point of the street lines of private ownership on said westerly side of Third Street to the southerly line of Cambridge Street and the second fire district above described.

Eighth.—Starting from the westerly side of the location of the Fitchburg Railroad Company on Massachusetts Avenue and running westerly continuously therefrom on both sides of Massachusetts Avenue to Rindge Avenue and within the area included between the lines of said Massachusetts Avenue and a line distant one hundred feet to the right and left at right angles from each and every point of said street lines of private ownership on both sides of said Massachusetts Avenue between the westerly side of said railroad location and said Rindge Avenue as aforesaid.

Ninth.—Starting on the westerly line of East Street at the boundary line of the second Fire Limit District, thence running on said westerly line of East Street to the southerly line of the location of the Southern Division of the Boston & Maine Railroad, thence running westerly on said southerly line of location of said railroad continuously to the Somerville line, thence southerly on said Somerville line to the northerly line of said Bridge Street thence southeasterly on said northerly line of said Bridge Street continuously to the boundary line of the second fire limit district at Lechmere Square, including all that territory which lies between the said northerly line of Bridge Street and southerly location of said railroad and easterly of that portion of the Somerville line between said Bridge Street and said railroad, extending continuously easterly to said westerly line of East Street, not including, however, any portion of the second fire limit district heretofore established.

Tenth.—Starting at the intersection of the northerly line of Gore Street with the westerly line of Fifth Street and running continuously westerly therefrom on the said northerly line of Gore Street to the Somerville line, and within the area included between the line of private ownership in said Cambridge adjacent to the northerly line of said Gore Street and a line distant one hundred feet to the right at right angles from each and every point of said street lines of said

private ownership on the northerly side of Gore Street between said Fifth Street and said Somerville line.

Eleventh.—Starting at the northwesterly extremity of the building line of the third fire limit district on the northerly line of Harvard Street at Smith Square and running continuously therefrom northwesterly on the said northerly line of Harvard Street to the easterly line of Burleigh Street, thence running northerly on said easterly line of Burleigh Street to the southerly line of the fifth fire limit district, thence running northwesterly on said southerly line of the fifth fire limit district to the easterly line of Portland Street, thence running southwesterly on the easterly line of Portland Street to the southerly line of Harvard Street, thence running southeasterly on the southerly line of Harvard Street to the easterly line of Munson Street, thence running southwesterly on said easterly line of said Munson Street to the northerly line of Hastings Street, thence running southeasterly on the northerly line of Hastings Street and so on continuously in the same direction until it reaches the northerly boundary line of the third fire limit district; and within the areas included between the lines of private ownership adjacent to the said northerly line of Harvard Street to the easterly line of Burleigh Street and the southerly line of Harvard Street and lines within the territory just described respectively one hundred feet to the right of the northerly line of Harvard Street to the easterly line of Burleigh Street and to the left of the southerly line of Harvard Street to the easterly line of Munson Street at right angles from each and every point of all said street lines of private ownership upon said Harvard Street and including all the territory described bounded by Burleigh, Harvard and Portland Streets and the southerly line of the fifth fire limit district and all the territory easterly of said part of said Munson Street to the northerly boundary line of the third fire limit district, not, however, included in any of the third or fifth fire limit districts heretofore established within the territory just described.

Twelfth.—All that territory which lies north of the Boston & Albany Railroad and is bounded easterly by the third fire limit district and westerly by the first fire limit district.

Thirteenth.—All that territory which lies northwesterly of Boylston Street and is bounded northeasterly by Mount Auburn Street and Brattle Square, northwesterly by Brattle Square and Eliot Square, westerly and southerly by Eliot Square and Eliot Street, not, however, included in the fourth fire limit district heretofore established.

In this ordinance the titles Lafayette Square, Central Square, Putnam Square, Quincy Square and Harvard Square, Lechmere Square, Inman Square, Kendall Square and Smith Square shall mean the respective areas included within the following boundaries, viz.:

LAFAYETTE SQUARE.

Beginning at a point in the northerly line of Main Street at its intersection with easterly line of Columbia Street; thence southerly by a line at right angles to said line of Main Street seventy feet to its intersection with the southerly line of Main Street; thence westerly along the southerly line of Main Street about three feet to the tangent point of a curve; thence westerly, southerly and easterly along said curve of 18 feet radius about 46.2 feet to its other tangent point in the northeasterly line of Massachusetts Avenue; thence southwesterly by a line at right angles to said line of Massachusetts Avenue about 91 feet to its intersection with the southwesterly line of Massachusetts Avenue; thence northwesterly along said southwesterly line of Massachusetts Avenue about 202 feet; thence northeasterly by a line at right angles to the southwesterly line of Massachusetts Avenue 103 feet to its intersection with the northeasterly line of said avenue; thence easterly along the northeasterly line of Massachusetts Avenue and the northerly line of Main Street about 179 feet to its intersection with the easterly line of Columbia Street at the point of beginning.

CENTRAL SQUARE.

Beginning at a point in the southwesterly line of Massachusetts Avenue at its intersection with the southerly line of Western Avenue; thence westerly along said southerly line about 124 feet to its intersection with the southeasterly line of Magazine Street; thence southwesterly along said southeasterly line of Magazine Street about 140 feet to its intersection with the southwesterly line of Green Street; thence northwesterly along said southwesterly line of Green street about 227 feet to its intersection with the northerly line of Western Avenue; thence easterly along said northerly line of Western Avenue about 191 feet to its intersection with the northwesterly line of Central Square; thence northeasterly along said northwesterly line of Central Square about 191 feet to its intersection with the northeasterly line of Massachusetts Avenue; thence southeasterly along said

northeasterly line of Massachusetts Avenue about 182 feet; thence southwesterly by a line at right angles to the northeasterly line of Massachusetts Avenue about 103 feet to its intersection with the southwesterly line of Massachusetts Avenue at the point of beginning.

PUTNAM SQUARE.

Beginning at a point in the southwesterly line of Mt. Auburn Street at its intersection with the westerly line of Putnam Avenue; thence northerly along said line of Putnam Avenue 92 feet to its intersection with the southwesterly line of Massachusetts Avenue; thence northeasterly by a line at right angles to said line of Massachusetts Avenue 62 feet to its intersection with the northeasterly line of Massachusetts Avenue; thence southeasterly along said northeasterly line about 215 feet; thence southwesterly by a line at right angles to the southwesterly line of Massachusetts Avenue about 66 feet to its intersection with said southwesterly line; thence along the southwesterly line of Massachusetts Avenue and Mt. Auburn Street about 190 feet to its intersection with the westerly line of Putnam Avenue at the point of beginning.

QUINCY SQUARE.

Beginning at a point in the northeasterly line of Harvard Street at its intersection with the easterly line of Quincy Street; thence southerly along said line of Quincy Street about 211 feet to its intersection with the southwesterly line of Massachusetts Avenue; thence northwesterly along said southwesterly line about 300 feet; thence northeasterly by a line at right angles to said southwesterly line at about 85 feet to its intersection with the northeasterly line of Harvard Street; thence southeasterly along said line of Harvard Street about 198 feet to its intersection with the easterly line of Quincy Street at the point of beginning.

HARVARD SQUARE

Beginning at a point in the northwesterly line of Massachusetts Avenue at its intersection with the northerly line of Brattle Street; thence in a generally northerly direction along said line of Massachusetts Avenue about 552 feet; thence northeasterly by a line at right angles to the said line of Massachusetts Avenue about 67 feet to its

intersection with the northeasterly line of Massachusetts Avenue; thence southerly, easterly and northerly by a curved line of 38 feet radius about 100 feet; thence easterly by a line at right angles to the westerly line of Peabody Street 66 feet to its intersection with the easterly line of Peabody Street; thence southerly along said easterly line about 433 feet; thence southerly and easterly by a curved line of varying radius about 188 feet; thence southwesterly about 88 feet to the intersection of the southwesterly line of Massachusetts Avenue with the northeasterly line of Dunster Street; thence northwesterly along the southwesterly line of Massachusetts Avenue about 218 feet to its intersection with the northwesterly line of Massachusetts Avenue; thence northeasterly along said northwesterly line about 40 feet to its intersection with the northerly line of Brattle Street at the point of beginning.

LECHMERE SQUARE.

Beginning at a point in the southerly line of Cambridge Street at its intersection with the southwesterly line of Bridge Street; thence westerly along said line of Cambridge Street about 343 feet to its intersection with the northwesterly line of Lechmere Square; thence northeasterly along said northwesterly line of Lechmere Square about 219 feet, to its intersection with the northeasterly line of Bridge Street; thence southeasterly along said northeasterly line of Bridge Street about 318 feet, thence southwesterly by a line at right angles to the northeasterly line of Bridge Street about 77 feet to its intersection with the southwesterly line of Bridge Street at the point of beginning.

INMAN SQUARE

Beginning at a point in the southerly line of Cambridge Street at its intersection with the northeasterly line of Hampshire Street; thence southwesterly by a line at right angles to said line of Hampshire Street 66 feet to its intersection with the southwesterly line of Hampshire Street; thence northwesterly along said line of Hampshire Street about 85 feet to its intersection with the southerly line of Cambridge Street; thence westerly along said southerly line of Cambridge Street about 121 feet; thence northerly by a line at right angle to said line of Cambridge Street 66 feet to its intersection with the northerly line of Cambridge Street, at the tangent point of a curve; thence easterly and northerly along said curve of 1.275 feet radius about 315 feet to its

other tangent point in the southwesterly line of Hampshire Street; thence by a line at right angles to said line of Hampshire Street 66 feet to its intersection with the northeasterly line of Hampshire Street; thence southeasterly along said northeasterly line of Hampshire Street about 120 feet to its intersection with the northerly line of Cambridge Street; thence easterly along said northerly line of Cambridge Street 92 feet; thence southwesterly across Cambridge Street about 67 feet to the point of beginning.

KENDALL SQUARE.

Beginning at a point in the northeasterly line of Broadway at its intersection with the northwesterly line of Third Street; thence southeasterly along said line of Broadway about 318 feet to its intersection with the northerly line of Main Street; thence by a line at right angles to said northerly line of Main Street 70 feet to its intersection with the southerly line of Main Street; thence westerly along said southerly line of Main Street about 380 feet to its intersection with the northwesterly line of Third Street produced and extended southerly; thence northeasterly along said extension and northwesterly line of Third Street about 218 feet to its intersection with the northeasterly line of Broadway, at the point of beginning.

SMITH SQUARE.

Beginning at a point in the northeasterly line of Harvard Street, at its intersection with the northwesterly line of Sixth Street; thence southeasterly along said line of Harvard Street about 224 feet to its intersection with the northerly line of Main Street; thence southerly by a line at right angles to said line of Main Street 70 feet to its intersection with the southerly line of Main Street; thence westerly along said southerly line about 223 feet; thence northerly by a line at right angles to said southerly line about 120 feet to its intersection with the southwesterly line of Harvard Street; thence northeasterly by a line at right angles to said southwesterly line of Harvard Street 50 feet to its intersection with the northeasterly line of Harvard Street at the point of beginning.

Every building hereafter erected within the fire limit districts shall be of the first or second class. This restriction shall not apply to wharves, nor to buildings not exceeding twenty-seven feet in height on wharves, nor to market sheds or market buildings not exceeding

such height, nor to buildings for the storage of coal, wood, lumber, or grain, if the external parts of said buildings, elevators and structures are covered with slate, tile, metal or other equally fireproof material, and the mode of construction and the location thereof are approved by the Superintendent. Temporary structures to facilitate the prosecution of any authorized work may be erected under such conditions as the Superintendent may prescribe.

Sec. 10. The provisions of this ordinance shall not apply to bridges, quays or wharves, nor to buildings on land ceded to the United States or owned and occupied by the Commonwealth, nor to the Middlesex County courthouse, jail, house of correction, nor to railroad stations, nor to portable school buildings erected and maintained by the city, nor to voting booths.

Except as otherwise provided by law, the provisions of this ordinance shall not be held to deprive any board or department of the city of Cambridge of any power or authority which they have at the date of the passage of this ordinance, or of the remedies for the enforcement of the orders of said boards or officers, unless said powers, authorities or remedies are inconsistent with the provisions of this ordinance; nor to repeal any existing law or ordinance not herein expressly repealed, except so far as it may be inconsistent with the provisions of this ordinance.

DEFINITIONS.

Sec. 11. In this ordinance the following terms shall have the meanings respectively assigned to them:

First-class building: A first-class building shall consist of fireproof material throughout, with floors constructed of iron, steel or reinforced concrete beams, filled in between with terra-cotta or other masonry arches or with concrete or reinforced concrete slabs; wood may be used only for under and upper floors, windows and door frames, sashes, doors, interior finish, hand rails for stairs, necessary sleepers bedded in the cement, and for isolated furrings bedded in mortar. There shall be no air space between the top of any floor arches and the floor boarding.

Second-class building: All buildings not of the first class, the external and party walls of which are of brick, stone, iron, steel, concrete, reinforced concrete, concrete blocks, or other equally substantial and fireproof material.

Third-class building: A wooden frame building.

Composite building: A building partly of second-class and partly of third-class construction.

Foundation: That part of a wall below the level of the street curb, or, if a wall is not on a street, that part of the wall below the level of the highest ground next to the wall, or, if so construed by the Superintendent, that part of a party or partition wall below the cellar floor.

Height of a building: The vertical distance of the highest point of the roof above the mean grade of the curbs of all the streets upon which it abuts, and if it does not abut on a street, above the mean grade of the ground adjoining the building.

Party wall: A wall that separates two or more buildings and is used or adapted for the use of more than one building.

Partition wall: An interior wall of masonry in a building.

Thickness of wall: The minimum thickness of such wall.

Story of a building: That part of a building between the top of any floor beams and the top of the floor or roof beams next above.

Basement: That story of a building not more than forty per cent. of which is below the grade of the street.

Cellar: That story of a building more than forty per cent. of which is below the grade of the street, and in third-class buildings that part of the building which is below the sils or below the first floor beams.

REQUIREMENTS FOR ALL BUILDINGS HEREAFTER ERECTED OR ALTERED.

Sec. 12. No building, structure or foundation shall be constructed or altered without a permit, and such work shall be done in accordance with drawings bearing the approval of the Superintendent.

Every structure in process of construction, alteration, repair or removal, and every neighboring structure or portion thereof affected by such process or by any excavation, shall be supported during such process satisfactorily to the Superintendent.

The Superintendent may take such measures as the public safety requires to carry these provisions into effect.

All buildings shall have leaders sufficient to discharge the roof water in such a manner as not to flow upon any public way or any neighboring property. Such leaders may project into a public way not over seven inches, subject to the approval of the Superintendent.

Every chimney flue shall extend at least four feet above the highest point of contact with the roof.

Every permanent building more than twenty feet high having a flat roof shall have permanent means of access to the roof from the inside by an opening not less than two feet by three feet, with a fixed step-ladder.

Every building shall have, with reference to its height, condition, construction, surroundings, character of occupation and number of occupants, reasonable means of egress in case of fire, satisfactory to the Superintendent, except that in all factories or workshops hereafter built or altered, of second-class construction, where ten or more persons are employed above the third floor, one exit shall consist of a fireproof stairway enclosed in incombustible material.

Water pipes in every building shall be properly protected from frost.

All chimneys of masonry construction shall have walls at least eight inches thick, or be constructed of four-inch brick walls with a suitable flue lining, and plastered on the outside up to the underside of the roof boards.

Every building where persons are employed shall have at least one water-closet for every twenty persons therein employed, and in any building where both sexes are employed, separate accommodations shall be furnished for men and women. Every enclosure containing one or more water-closets shall be provided with ventilation satisfactory to the Superintendent.

In every first-class building and in every second-class building within the fire limit districts, all of the outside finish shall be of incombustible material, except window and door frames, and except finish about show windows. Where store fronts are carried up more than one story the columns and lintels shall be of, or finished with, incombustible material; but in no case shall store fronts be carried more than two stories unless said fronts are constructed and finished throughout with fireproof material, except window and door frames.

Every ventilating flue shall be constructed of, or lined with, incombustible material.

Every floor in second-class buildings shall have its beams tied to the walls and to each other with wrought iron straps or anchors of at least five-eighths square inch area in cross section, and not less than eighteen inches long, so as to form continuous ties across the building. In mill framing each beam is to be so tied, and in other framing the

ties are to be not more than ten feet apart. Walls running parallel or nearly parallel with floor beams shall be properly tied once in ten feet to the floor beams by iron straps or anchors of the size above specified.

Every wooden header or trimmer more than four feet long carrying a floor load of over seventy pounds per square foot shall, at connections with other beams be framed or hung in stirrup irons, and joint-bolted. All tail beams and similar beams of wood shall be framed or hung in stirrup irons.

PROHIBITIONS.

Sec. 13. No wooden building within the fire limit districts shall be so altered or repaired as to increase the fire hazard, nor altered or repaired if the estimated cost of the proposed alterations or repairs exceeds one-half of the cost of a like new building.

No wooden building without the fire limit districts shall be moved to any position within the fire limit districts, and no wooden building within the fire limit districts shall be moved to any position away from the lot upon which it is built or to any position where the fire hazard would be increased.

No recess or chase shall be made in any external or party wall so as to leave the thickness at the back less than eight inches.

No roof or floor timber entering a party wall shall have less than four inches of solid brick work between it and the end of any other timber.

No part of any roof shall be constructed in such a manner as to discharge snow, ice, or other material upon a public street or alley.

No elevated staging or stand for observation purposes shall be constructed or occupied upon the roof of any building.

No chimney shall be corbelled from a wall more than the thickness of the wall.

No chimney shall be hung from a wall which is less than twelve inches thick.

No masonry shall rest upon wood, except piles and mud sills.

No part of any floor timber shall be within two inches of any chimney.

No studding or furring shall be within one inch of any chimney.

No furnace or boiler for heating shall be placed upon a wooden floor.

No smoke pipe shall project through any external wall or window.

No steam, furnace or other hot-air pipes shall be carried within one inch of any woodwork, unless such pipes are double or otherwise protected by incombustible material.

No observation stand shall be constructed or maintained except in accordance with plans approved by the Superintendent.

No closet of any kind shall be constructed under any staircase leading from the cellar or basement to the first story.

No boiler shall be placed or maintained under any public way.

No part of any structure, except cornices, permanent awnings, string courses, window caps and sills, and outside means of egress as otherwise provided, shall project over any public way or square. No cornice shall so project more than three feet, nor more than sixteen inches over a way of a width of thirty feet or less.

No building shall be erected for or converted to use as a stable unless such use is authorized by the Board of Health.

No building shall be erected for or converted to use as a garage unless such use is previously authorized by the Board of Aldermen.

MATERIALS.

STRENGTH OF MATERIALS.

Sec. 14. The stresses in materials hereafter used in the construction of all buildings, produced by their own weight and the loads herein specified, shall not exceed the limits assigned in the following paragraphs of this section:

(a) TIMBER.

UNIT STRESSES IN POUNDS PER SQUARE INCH.

	Compression Perpendicular to the Grain	Shearing along the Grain	On Extreme Fibre of Beams
White pine and spruce	1,000	80	250
White oak	1,000	150	600
Yellow pine (long leaved)	1,500	100	500

Stresses due to transverse loads combined with direct tension or compression shall not exceed the extreme fibre stresses given above.

In computing deflection the modulus of elasticity shall be taken as follows:

	Pounds per Square inch.
White pine	750,000
Spruce	900,000
Yellow pine (long leaved)	1,300,000
White oak	850,000

Columns (Centrally Loaded).

For wooden columns with flat ends, where L is the length of the column, D is its least diameter, the average stress per square inch on a cross-section shall be limited as follows:

$\frac{L}{D}$	Average stress per square inch: White pine and spruce.	Long-leaved yellow pine.	White oak.
0 to 10	630	900	810
10 to 15	595	850	765
15 to 20	560	800	720
20 to 25	525	750	675
25 to 30	490	700	630

No column shall be used with a greater unsupported length than thirty times its least diameter.

For excentric loads, see Section 16.

(b) WROUGHT IRON AND STEEL.

UNIT STRESSES IN POUNDS PER SQUARE INCH.

	Wrought iron.	Steel (1).
Extreme fibre of rolled beams or shapes	12,000	16,000
Tension	12,000	16,000
Compression in flanges of built beams	12,000	16,000
Shearing (see below for bolts)	9,000	10,000
Direct bearing, including pins and rivets	15,000	18,000
Bending on pins	18,000	22,500
Modulus of elasticity	27,000,000	29,000,000

(1) These stresses (except for rivets) are for steel having an ultimate tensile strength of from fifty-five thousand to sixty-five thousand pounds per square inch, an elastic limit of not less than one-half the ultimate strength, and a minimum percentage of elongation in eight inches of one million four hundred thousand, divided by the ultimate strength.

For compression members twelve thousand for iron and sixteen thousand for steel, reduced according to the following formula:

$$\frac{12{,}000 \text{ (or } 16{,}000 \text{ for steel)}.}{1 + \frac{1}{20{,}000}\,\frac{L2}{r2}}$$

in which L is the length of the column in inches, and r is the radius of gyration in inches taken around the axis about which the column will bend (for free columns, the least radius of gyration).

The stresses due to transverse loads combined with direct tension or compression shall not exceed the extreme fibre stress given above for rolled beams and shapes, or in case of built members the above tension and compression stresses (see Section 16).

Compression flanges of beams shall be proportioned to resist lateral flexure unless properly stayed or secured against it. If the ratio of unsupported length of flange to width of flange does not exceed twenty, no allowance need be made for lateral flexure. If the ratio is seventy, the allowable stress on the extreme fibre shall be one-half of that above specified, and proportionally for intermediate ratios.

Shearing and bearing stresses on bolts shall not be higher than eighty per cent. of those allowed by the above table. All connections in skeleton buildings, all splices in steel trusses and girders, and all connections of such trusses and girders to the sides of steel columns shall, if possible, be made by means of rivets rather than by bolts.

(c) CAST IRON.

UNIT STRESSES IN POUNDS PER SQUARE INCH.

Extreme fibre stress, tension	3,000
Extreme fibre stress, compression	16,000

Cast iron shall not be used for columns in buildings of more than seventy-five feet in height, nor in cases where the value of the length divided by least radius of gyration exceeds seventy.

CAST-IRON COLUMNS (CENTRALLY LOADED AND UNSUPPORTED LATERALLY).

Where the length divided by the least radius of Gyration equals—	Average stress per square inch of section.
10	11,000
20	10,700
30	10,400

40	10,100
50	9,800
60	9,500
70	9,200

(d) STONE WORK IN COMPRESSION.

STRESSES IN TONS OF TWO THOUSAND POUNDS PER SQUARE FOOT.

First quality dressed beds and builds, laid solid in mortar of one part Portland cement to three parts sand, or one part natural cement to two parts sand.

Granite	60
Marble and limestone	40
Sandstone	30

In cases where poorer mortar is used, to avoid stain from cement, stresses shall be less than above, and must be approved by the Superintendent.

(e) BRICKWORK IN COMPRESSION.

STRESSES IN TONS OF TWO THOUSAND POUNDS PER SQUARE FOOT.

1. For first-class work of hard-burned bricks, including piers in which the height does not exceed six times the least dimension, laid in:

(a)	One part Portland cement, three parts sand, by volume, dry	20
(b)	One part natural cement, two parts sand, by volume, dry	18
(c)	One part natural cement, one part lime and six parts sand, by volume dry	12
(d)	Lime mortar, one part lime, six parts sand, by volume, dry	8

2. For brick piers of hard-burned bricks in which the height is from six to twelve times the least dimensions:

Mortar (a)	18
Mortar (b)	15
Mortar (c)	10
Mortar (d)	7

3. For brickwork made of "light-hard" bricks the stresses shall not exceed two-thirds of the stresses for like work of hard-burned bricks.

(f) CONCRETE.

When the structural use of concrete is proposed, a specification stating the quality and proportions of materials, and the methods of

mixing the same, shall be submitted to the Superintendent, who may issue a permit at his discretion and under such further conditions, in addition to those stated below, as he sees fit to impose.

(A.) In first-class Portland cement concrete, containing one part cement to not more than six parts mixed properly graded aggregate, except in piers or columns of which the height exceeds six times the least dimensions, the compressive stress shall not exceed thirty tons of two thousand pounds per square foot.

(B.) In piers and columns of first-class Portland cement concrete, containing one part cement to not more than five parts mixed properly graded aggregate, where the height of the pier or column is more than six times and does not exceed twelve times its least dimensions, the compressive stress shall not exceed twenty-five tons of two thousand pounds per square foot.

By "aggregate" shall be understood all the materials in the concrete except the cement. Cinders concrete shall be used constructively only for floors, roofs and for filling.

Rules for the computation of reinforced concrete columns may be formulated from time to time by the Superintendent, with the approval of the Board of Appeal.

In reinforced concrete beams or slabs subjected to bending stresses, the entire tensile stress shall be assumed to be carried by the steel, which shall not be stressed above the limits allowed for this material. First-class Portland cement concrete in such beams or slabs, containing one part cement to not more than five parts mixed properly graded aggregate, may be stressed in compression to not more than five hundred pounds per square inch. In case a richer concrete is used, this stress may be increased with the approval of the Superintendent to not more than six hundred pounds per square inch.

In reinforced concrete the maximum shearing force upon the concrete when uncombined with compression upon the same plane shall not exceed sixty pounds per square inch, unless the Superintendent, with the consent of the Board of Appeal, shall fix some other value.

If the imbedded steel has no mechanical bond with the concrete, its holding power shall not exceed the allowable shearing strength of the concrete.

(g) IN GENERAL.

Under the prescribed loads beams shall be so proportioned that the deflection shall not exceed one-three-hundred-and-sixtieth (1-360) of the span.

Stresses for materials and forms of material not herein mentioned shall be determined by the Superintendent. Provision for wind bracing shall be made wherever it is necessary, and all buildings shall be constructed of sufficient strength to bear with safety the load intended to be placed thereon, in addition to the weight of the materials used in construction.

No cutting for piping or any other purpose shall be done which would reduce the strength of any part of the structure below what is required by the provisions of this ordinance.

QUALITY OF MATERIALS.

Sec. 15. All materials shall be of such quality for the purposes for which they are to be used as to insure, in the judgment of the Superintendent, ample safety and security to life, limb and neighboring property. The Superintendent shall have power to reject all materials which in his opinion are unsuitable, and may require tests to be made by the owner to determine the strength of the structural materials, and may require certified copies of results of tests made elsewhere from the architect, engineer, builder, owner or other interested persons.

Hollow cast-iron columns, if used, shall be shown by measurements and tests satisfactory to the Superintendent to be of practically uniform thickness and free from blow holes.

MORTARS.

All mortars shall be made with such proportion of sand as will insure a proper degree of cohesion and tenacity and secure thorough adhesion to the material with which they are used, and the Superintendent shall condemn all mortars not so made.

(a) Mortar below the level of water shall be no poorer than one part Portland cement and three parts sand;

(b) Mortar for first-class buildings shall, for the lower half of their height, be no poorer than one part natural cement to two parts sand; and, for the upper half, no poorer than one part of natural cement, one-half part of lime, and three parts of sand;

(c) Mortar for second-class buildings and for such parts of third-class buildings as are below the level of the sidewalk shall be no poorer than one part of natural cement, one of lime, and four of sand;

(d) Mortar for third-class buildings above ground shall be no poorer than one part lime and four parts sand.

The Superintendent may allow lime mortar in setting stone where cement will stain.

Concrete shall be used immediately after mixing; it shall not be placed in the work after it has begun to harden and it shall be deposited in such manner and under such regulations as to secure a compact mass of the best quality for the proportions used. Forms shall remain until the concrete has hardened so as to be able to carry its load safely, and shall be removed without jar.

The Superintendent may require an applicant for a permit for the structural use of concrete to have a competent inspector at all times on the work while concrete is being mixed or deposited, and such inspector shall make daily reports to the Superintendent on the progress of the work.

CEMENT.

Cement shall conform to the specifications of the American Association for Testing Materials, as modified from time to time by that Association.

REINFORCED CONCRETE

Reinforced concrete slabs, beams or girders, if rendered continuous over supports by being unbroken in section, shall be provided with proper metal reinforcement at the top over said supports and may be computed as continuous beams, as herinafter described.

The modulus of elasticity of the concrete, if not shown by direct tests, may for beams and slabs be taken as one-fifteenth that of steel, and for columns one-tenth that of steel.

The reinforcing metal shall be covered by not less than three-fourths inch of concrete in slabs, and by not less than one and one-half inches of concrete in beams and columns.

METHODS OF COMPUTATION.

Sec. 16. Beams or girders of metal or reinforced concrete shall be considered as simply supported at their ends, except when they extend with unbroken cross-section over the supports, in which case they may be considered as continuous.

The span of a beam shall be considered as the distance from centre

to centre of the bed plates or surfaces upon which it rests. If it is fastened to the side of a column, the span shall be measured to the centre of the column.

In slabs, beams or girders continuous over supports, provision shall be made for a negative bending moment at such supports equal to four-fifths of the positive bending moment that would exist at the centre of the span if the piece were simply supported; and the positive bending moment at the centre of the span may be taken equal to the negative bending moment at the support.

In the case of a slab of reinforced concrete with parallel ribs or girders beneath, the rib or girder may be considered to include a portion of the slab between the ribs, forming a T-beam. The width of the T-beam on top shall not exceed one-third the span of the rib nor the distance from centre to centre of the ribs.

Reinforced concrete columns shall be proportioned on the assumption that the concrete and the steel are shortened in length in the same proportion. The steel members shall be tied together at intervals sufficiently short to prevent buckling.

If a column is loaded excentrically or transversely, the maximum fibre stress, taking account of the direct compression, the bending which it causes, its excentricity and the transverse load, shall not exceed the maximum allowable stress in compression.

If a tension piece is loaded excentrically or transversely, the maximum fibre stress, taking account of the direct tension, its excentricity and the transverse load, shall not exceed the maximum allowable stress in tension.

An excentric load upon a column shall be considered to affect excentrically only the length of column extending to the next point below at which the column is held securely in the direction of the excentricity.

If a piece is exposed to tension and compression at different times, it shall be proportioned to resist the maximum of each kind, but the unit stresses shall be less than those used for stress of one kind, depending upon the ratio and the relative frequence of the two maxima.

Net sections shall be used in proportioning steel tension members, and in deducting rivet holes they shall be taken as one-eighth of an inch greater in diameter than the rivets.

The length of a steel compression member between supports in any direction shall not exceed one hundred and twenty times its radius of gyration about an axis perpendicular to that direction.

The webs of plate girders shall be proportioned to resist buckling in cases where they are not supported laterally, according to the formula:

$$\frac{16000}{1 + \frac{1}{3000}\frac{d^2}{t^2}}$$

in which t equals thickness of web in inches; d equals clear, unsupported dimension horizontally or vertically, whichever is the lesser.

In proportioning the flanges of plate girders, one-eighth of the gross area of the web may be considered as available in each flange. If the length of the top flange unsupported laterally exceeds twenty times its width, the allowable stress shall be reduced, as in the case of rolled beams.

Pins shall be computed by assuming the forces in the bars to act at the centre of the bearing areas.

In riveted trusses the centre of gravity lines of members coming together at a joint shall, if possible, intersect at a point. Excentricity due to a non-fulfillment of this rule shall be allowed for in the computations. The centre of gravity of the rivets connecting one piece to another shall, in general, lie as nearly as practicable in the centre of gravity line of the piece.

CLASSIFICATION.

Sec. 17. Every building over seventy-five feet in height hereafter erected or raised shall be constructed as a first-class building.

RESTRICTION OF AREAS.

Any first-class building hereafter erected to be used above the first floor as a warehouse or store for the storage or sale of merchandise shall have all vertical openings for elevators and stairways, air or light shafts through the floors protected by fireproof enclosures, with incombustible sash, doors and frames. Such enclosures shall, if enclosing stairs or escalators, have automatic doors and all glass in said enclosures shall be wire glass.

Second-class buildings used for houses for habitation shall be so divided by brick walls that no space inside such buildings shall exceed

in area four thousand square feet. Said walls may be partition walls which shall be built to the underside of the roof boards.

Every second-class building more than three stories high and used above the first floor as a warehouse or store for the storage or sale of merchandise shall have all vertical openings for elevators and stairways, air or light shafts, through its floors protected by fireproof enclosures. Such enclosures shall be supported on fireproof supports and framing, and shall, if enclosing stairs or escalators, have automatic doors, and all glass in said enclosures shall be wire glass.

No building used above the first floor for the storage or sale of merchandise shall have less than two means of egress from every story, one of which means may be either an outside fire escape or through a brick wall closed by automatic doors into a building of the same class; except that an independent monumental stairway extending from the basement to the second floor may be constructed. If both stairs are inside the building, one shall be enclosed in walls of incombustible material and all doors therein shall open outward.

BUILDING FOR MANUFACTURING PURPOSES.

Wooden buildings outside the fire limit districts and adapted exclusively for manufacturing, storage, exhibition, mechanical or stable purposes, may be built of unlimited area under such conditions as the Superintendent shall prescribe, but shall not exceed forty-five feet in height. The area of such buildings shall be so divided by brick walls constructed as party walls that no area within such walls shall exceed twenty-five thousand square feet if one story high nor twelve thousand square feet if more than one story.

CONSTRUCTION.

HEIGHT.

Sec. 18. No building, structure, or part thereof shall be of a height exceeding two and one-half times the width of the widest street on which the building or structure stands, whether such street is a public street or place or a private way, nor exceeding one hundred and twenty-five feet in any case. The width of such street, place or private way shall be measured from the face of the building or structure to the line of the street on the other side. If the street is of uneven width, the width shall be the average width of the part of the street opposite the building or structure; if the effective width of the street

is increased by an area or setback, the space between the face of the main building and the lawfully established line of the street may be built upon to the height of two and one-half times the width of the street.

Except that the limitation of the height of buildings shall not apply to churches, steeples, towers, domes, cupolas, belfries, statuary, pipes, water tanks, elevator houses, gas holders, coal or grain elevators, balustrades or parapets, skylights, ventilators, houses not exceeding twelve feet square and twelve feet in height, or other ornamental or similar constructions such as are usually erected above the roof line of buildings, any of which may be carried to a greater height than one hundred and twenty-five feet.

EXCAVATIONS.

Sec. 19. All excavations shall be so protected, by sheet piling if necessary, by the persons causing the same to be made, that the adjoining soil or foundation shall not cave in by reason of its own weight. It shall be the duty of the owner of every building to furnish, or cause to be furnished, such support that his building shall not be endangered by any excavation, unless said excavation is carried more than ten feet below the grade of the principal street. All permanent excavations shall be protected by retaining walls. In case of any failure to comply with the provisions of this section, the Superintendent may enter upon the premises and may furnish at the expense of the owner such support as the circumstances may require.

PILING.

Sec. 20. All buildings shall, if the Superintendent determines that piling is necessary, be constructed on foundation piles, and the number, diameter and bearing of such piles shall be sufficient to support the superstructure proposed. The Superintendent shall determine the grade at which the piles shall be cut. He may require any applicant for a permit to ascertain by boring the nature of the ground on which it is proposed to build, and he may require a competent inspector satisfactory to him to be at all times on the work while piles are being driven, who shall keep an accurate record of the length of each pile, the weight and fall of the hammer, and the penetration of each pile for each of the last two blows of the hammer.

Plain concrete piles shall be made in place by methods which are

reasonably certain to secure perfect, full-sized piles. Reinforced concrete piles, if properly designed to resist the shock of driving, and if driven with a cushion to lessen the shock, or by a water jet, may be molded, allowed to harden, and then driven in place.

In case concrete piles are used, whether reinforced or not, their bearing power shall be determined by putting in one or more test piles and loading them after the concrete has hardened. The load allowed shall not be more than one-half of the load under which the pile begins to settle. In no case, however, shall the load on a concrete pile exceed that specified herein for concrete in columns. Concrete for piles shall have not more than five parts of properly made and mixed aggregate to one part of Portland cement; and the aggregate shall all be capable of passing through a one-inch ring.

All wood piles shall be capped with block granite levelers, each leveler having a firm bearing on the pile or piles which it covers, or with first-class Portland cement concrete, not less than sixteen inches thick, above the pile caps, containing one part of cement to not more than six parts of properly ground aggregate of stone and sand, the concrete to be filled in around the pile heads upon the intervening earth.

FOUNDATIONS OF FIRST AND SECOND CLASS BUILDINGS.

Sec. 21. Foundations of first and second-class buildings may be of brick, stone or concrete. The thickness shall be as stated in Section 23. Foundations of rubble stone shall be allowed only under buildings less than fifty feet in height and for a depth of less than ten feet.

The walls and piers of every building shall have a foundation, the bearing of which shall be not less than four feet below any adjoining surface exposed to the frost, and such foundation, with the superstructure which it supports, shall not overload the material on which it rests.

CELLARS.

Sec. 22. The cellar of every building hereafter built, where the grade or nature of the ground so requires, shall be sufficiently protected from water and damp by a bed at least two inches thick over the whole, of concrete, cement and gravel, tar and gravel, or asphalt, or by bricks laid in cement. No cellar or basement floor of any building shall be constructed below the grade of twelve feet above mean low water, unless such cellar is made waterproof to the satisfaction of the Superintendent. All metal foundations and all constructional

metal work underground shall be protected from dampness by concrete, or by other material approved by the Superintendent.

THICKNESS OF WALLS.

Sec. 23. The external walls above the foundation of houses for habitation of first or second-class construction and not exceeding sixteen hundred square feet in area and not over three stories high, shall be not less than eight inches thick for external walls and not less than twelve inches thick for party walls.

The external and party walls for houses for habitation not exceeding four stories or fifty feet in height shall be not less than twelve inches thick; said walls for said buildings not exceeding five stories or sixty feet in height, shall be not less than sixteen inches thick to the top of the first floor and not less than twelve inches thick above; said walls in said buildings not exceeding six stories or seventy-five feet in height shall be not less than sixteen inches thick to the top of the second floor and not less than twelve inches thick above.

In all buildings, partition walls which do not carry floor loads may be made four inches less in thickness than is required for external and party walls for houses for habitation.

Except as above stated, the external and party walls of every building of the first and second class shall be twelve inches thick in the upper two stories of the height of said wall, not exceeding twenty-five feet in height. In the section of two stories, but not exceeding twenty-five feet next below, the walls shall be sixteen inches thick. In the next lower section of three stories, but not exceeding thirty-seven feet, the walls shall be twenty inches thick, and in each succeeding section of three stories, but not exceeding thirty-seven feet or any part thereof, the walls shall be four inches thicker than the section next above it.

Foundation walls of rubble shall be at least twelve inches thicker than the walls they sustain, and foundation walls of other materials shall be at least four inches thicker than the required thickness of the walls of the first story. All foundation walls more than two stories or twenty feet deep, shall be increased four inches in thickness for every added depth of two stories or twenty feet, or any part thereof. The thickness herein given shall apply to all masonry walls unless they are reinforced by a frame or skeleton of steel.

In reckoning the thickness of walls, ashlar shall not be included unless the walls are at least sixteen inches thick and the ashlar is at least eight inches thick, or unless alternate courses are at least four and eight

inches to allow bonding with the backing. Ashlar shall be properly held by metal clamps to the backing or properly bonded to the same.

Provided, however, that nothing herein contained shall prohibit the use of a mill construction for exterior walls, consisting of piers properly proportioned to sustain all the loads and connected by curtain walls, if the dimensions of all parts of the construction are made satisfactory to the Superintendent.

Parapet walls shall be at least eight inches thick above roof.

ANCHORS.

Sec. 24. All walls of a first or second-class building meeting at an angle shall be securely bonded, or shall be united every five feet of their height by anchors made of at least two inches by half an inch of steel or wrought iron, well painted, and securely built into the side or partition walls not less than thirty-six inches, and into the front and rear walls at least one-half the thickness of such walls.

BRICKWORK—BONDING.

Sec. 25. Every eighth course, at least, of a brick wall shall be a full heading or bonding course, except where walls are faced with face brick, in which case in every eighth course at least every other brick shall be a full header. No diagonal header ties shall be used.

VAULTED WALLS.

Sec. 26. If the air spaces are headed over and the walls are built solid for at least three courses below the floor and roof beams, walls, if of brick, may be built hollow. They shall contain, exclusive of withes, the same amount of material as is required for solid walls, and the masonry on the inside of the air space in walls over two stories in height shall be not less than eight inches thick and the parts on either side shall be securely tied together with ties not more than two feet apart in each direction

WALLS FRAMED WITH IRON OR STEEL.

Sec. 27. Walls may be built in part of iron or steel or with a reinforced concrete or metal frame work. In such metal frame work the beams and girders shall be riveted to each other at their respective junction points. If columns made of rolled iron or steel are used, their different parts shall be riveted to each other, and the beams and girders

resting upon them shall, if possible, have riveted connections to unite them with the columns. If cast-iron columns are used, each successive column shall be bolted to the one below it by at least four bolts not less than three-fourths of an inch in diameter, and the beams and girders shall be bolted to the columns. At each line of floor or roof beams, lateral connections between the ends of the beams and girders shall be made in such manner as rigidly to connect the beams and girders with each other in the direction of their length.

All party walls of skeleton construction shall have curtain walls not less than twelve inches thick

All outside walls of skeleton construction shall have curtain walls which may be of masonry, terra-cotta, concrete, or reinforced concrete, constructed and supported under such conditions as the Superintendent shall prescribe.

If the metal or other framework is so designed that the enclosing walls do not carry the weight of floors or roof, then the walls shall be of masonry or concrete construction and shall be thoroughly anchored to the iron skeleton, and whenever the weight of such walls rests upon beams or columns, such beams or columns shall be made strong enough in each story to carry the weight of wall resting upon them without reliance upon the walls below them.

PARTY WALLS ABOVE ROOF.

Sec. 28. Except as hereafter provided, in buildings less than fifty feet in height all party walls shall be built to a height at least twelve inches above the roof covering, and shall be capped with stone, cement or metal securely fastened to the masonry. In all other buildings such walls shall be carried thirty inches above the roof.

WALLS—CORNICES.

Sec. 29. Where a wall is finished with a stone cornice, the greatest weight of material of such cornice shall be on the inside of the face of the wall. All cornices of second-class buildings within the fire limits shall be of brick or covered with fireproof material, and the walls shall be carried up to the boarding of the roof; and where the cornice projects above the roof the masonry shall be carried up to the top of the cornice and covered with metal, like parapet walls.

PIERS AND HEARTHS.

Sec. 30. Piers and walls shall have caps or plates of iron or stone where they are needed, sufficient properly to distribute the load.

Hearths shall be supported by trimmer arches of brick or stone; or shall be of single stones at least six inches thick, built into the chimney and supported by iron beams, one end of which shall be securely built into the masonry of a chimney or of an adjoining wall, or which shall otherwise rest upon an incombustible support. Rough brick jambs of every fireplace, range or grate opening shall each be at least eight inches wide, and the backs of such openings shall be at least eight inches thick, but four inches of this backing may be the finished fireplace. Hearths and trimmer arches shall be at least twelve inches longer on either side than the width of such openings, and at least eighteen inches wide in front of the chimney breast. Brickwork over fireplaces and grate openings shall be supported by proper iron bars, or brick or stone arches.

WALLS—DOORWAYS IN PARTY AND PARTITION WALLS

Sec. 31. Openings for doorways in party walls shall not exceed one hundred square feet each in area, and each opening shall have two sets of fireproof doors and frames separated by the thickness of the wall, hung in a manner satisfactory to the Superintendent, except that the aggregate width of all openings in any story shall not exceed fifty per cent. of the length of the wall in which such openings occur. Openings, not exceeding one hundred and forty-four square inches, constructed and protected as shall be approved by a writing signed by the Superintendent, may be permitted in any wall on floor.

Openings in partition wall in houses for habitation shall be protected by single fireproof doors and frames, hung in a manner satisfactory to the Superintendent.

FIRE PROTECTION.

Sec. 32. All structural metal supporting or forming part of the frame, floors, roof or columns of any building, except as otherwise exempted in this ordinance, shall be protected against the effect of heat.

This protection shall consist of concrete, or of porous terra-cotta or brick set in cement mortar. When block construction is used, it shall be clamped in place with steel clamps, or wrapped securely with number twelve galvanized-iron wire or metal lathing in such manner as to

hold each block in place, and shall be plastered with lime or other mortar at least three-fourths of an inch thick in addition to the protection.

The protection on all floor and roof beams shall be at least one inch thick, on all floor and roof girders and on all beams carrying masonry at least one inch thick on top and two inches thick elsewhere, on all columns carrying only floors three inches, and on all columns built into or carrying walls four inches.

If terra-cotta blocks are used for protection, such blocks may be hollow, but each face shall be solid, and no flange shall be less than one inch thick.

Plaster on wire or metal lath shall not be considered as a fire protection for steel or iron structural members, but may be used with an air space under arches as a suspended ceiling, provided that such arches have at least one inch of thickness of fireproofing under the flanges in addition to such ceiling, and that the metal lath and plaster are suspended separately from the arches and are not less than one inch below the same.

All protection shall be applied directly to the metal work and shall not be broken into nor interrupted by any pipes, wires, chases or conduits of any kind.

About isolated columns on the exterior of buildings the thickness of protection may be reduced to one inch, when the same is covered with an outer shell of cast-iron or steel.

When a column or girder is formed of built up shapes, the spaces between flanges shall be filled solid with protecting material, but this protection need not extend more than one inch beyond the edges of projecting angles, bars or channels. The protection shall cover all lugs, brackets, braces, etc.

The metal work of all trusses carrying masonry or floor loads shall be protected, as hereinbefore described, but said provisions shall not apply to trusses which carry roof load only.

When a wall or partition is formed with a framework of angles, channels, or other built-up shapes, and such wall or partition is filled in flush with both faces of the frame with terra-cotta blocks, additional protection may be omitted.

With the approval of the Superintendent, the above requirements as to fireproofing shall not apply to iron or steel in second or third-class buildings in any case in which the use of wood without fire protection would be permissible under this ordinance.

In work in connection with alterations of existing buildings, the character and amount of protection for steel and iron work shall be made satisfactory to the Superintendent.

In positions where the protection of isolated or exposed columns is likely to be broken or damaged there shall be outside of the protection a casing at least five feet high of iron or wood, bound with wire or steel so as to be self-supporting.

Spaces between and behind all furring and all studding of bearing partitions shall be filled solid with bricks and mortar or other fireproof material for a space of five inches in height above the floor beams or plaster grounds. Spaces between the strap furring on brick walls shall be filled solid with mortar for five inches below the bottom of the floor beams. The spaces between stringers of stairs and joists of landings, unless unceiled or of fireproof construction, shall be stopped solid with brick, terra-cotta or other incombustible material as often as twice in each flight of stairs. The spaces between floor beams on bearing partitions shall be stopped in a similar manner.

The tops of all heating furnaces and smoke pipes shall be at least one foot below the nearest wooden beams or ceiling. All ceilings immediately over a furnace or boiler and for two feet on each side thereof, and all ceilings within one foot of indirect radiators, shall, except under fireproof floors, be metal lathed and plastered, or have other protection satisfactory to the Superintendent.

All hot-air register boxes in the floors or partitions of buildings shall be set in soapstone or equally fireproof borders not less than two inches in width, shall be made of tin plate, and shall have double pipes and boxes properly fitted to the soapstone. Hot-air pipes and register boxes shall be at least one inch from any woodwork, and their connecing pipes shall be two inches from any woodwork. If indirect hot water or indirect steam heat is used, the Superintendent may modify or dispense with the foregoing requirements.

FIREPROOF PARTITIONS.

Sec. 33. Partitions in buildings of first-class construction shall be constructed of plastering applied to metal lathing or to plaster boards, or constructed of brick or of hollow blocks composed of cement, plaster or terra-cotta. When block construction is used, it shall be self-supporting above all openings, thoroughly bonded and set in Portland cement. The blocks shall start from the floor and shall be continuous to the floor above, except that in the upper story, where there

is a space between the ceiling of the top story and the roof, these partitions need not extend above the ceiling. If plastered on both sides the blocks shall be not less than four inches thick for a partition not more than fifteen feet in height, and shall be thickened one inch for every additional eight feet or fraction thereof in height. The thickness of webs shall be not less than three-fourths of an inch.

If partitions are not plastered on both sides, the thickness of blocks shall be one inch greater than as specified above.

TIMBERS IN WALLS OF SECOND-CLASS BUILDINGS.

Sec. 34. The ends of all wooden floor or roof beams in second-class buildings shall enter the wall to a depth of at least four inches. When the wall is eight inches thick it shall be corbelled or the beams shall be hung in metal hangers; and the ends of all such beams shall so be shaped or arranged that in case of fire they may fall without injury to the wall.

ALTERATIONS OF EXISTING BUILDINGS.

Sec. 35. Except as otherwise provided in Section 13, any building may be altered, remodeled or enlarged for use as a house for habitation.

The first story or basement, or both the first story and basement, in such buildinngs, may be used for mercantile purposes, as provided in Section 53.

The height of any such building shall not be increased unless the walls and foundations conform to the provisions of this ordinance.

Every such building, more than forty feet in height, so altered, remodeled or enlarged, shall be provided with at least two independent exits satisfactory to the Superintendent.

Any such building so altered, remodeled or enlarged as a house of habitation for more than two families shall have the same exposure and yards as is hereinafter provided for tenement houses.

If in the opinion of the Superintendent, the alteration proposed to be made in a building is of such extent as, when done, to produce a practically new structure or to impair the stability or increase the fire risk of the structure as a whole, then the whole structure shall be made to conform to the provisions of this ordinance for a new structure of the same class. A building damaged by fire or other casualty may be repaired or restored so as to conform to its original condition, or may

be reconstructed in some or all of its parts as the Superintendent may specify in his permit.

Except as otherwise provided for tenement houses, every living room in a building hereafter adapted for habitation shall have a window on the open air of an area not less than ten square feet and distant not less than six feet from any opposite wall, or three feet from the lot line.

FLOORS—LOADS.

Sec. 36. All new or renewed floors and stairs shall be so constructed as to carry safely the weight to which the proposed use of the building may subject them, and every permit granted shall state for what purpose the building is designed to be used; but the least capacity per superficial square foot, exclusive of materials, shall be:

For floors of houses for habitation, fifty pounds.

For office floors and for public rooms of hotels, one hundred pounds.

For floors of retail stores and public buildings, except schoolhouses, or for light manufacturing, one hundred and twenty-five pounds.

For floors of schoolhouses, other than floors of assembly rooms, eighty pounds, and for floors of assembly rooms, one hundred and twenty-five pounds.

For floors of drill rooms and riding schools, two hundred pounds.

For floors of warehouses, at least two hundred and fifty pounds.

For flat roofs, forty pounds.

For stairs, landings, platforms and fire escapes, seventy pounds.

The loads not included in this classification shall be determined by the Superintendent.

The full floor load specified in this section shall be included in proportioning all parts of buildings designed for warehouses, or for heavy mercantile and manufacturing purposes. In other buildings, however, reductions may be allowed, as follows: For girders carrying more than one hundred square feet of floor, the live load may be reduced ten per cent. For columns, piers, walls and other parts carrying two floors, a reduction of fifteen per cent. of the total live load may be made; where three floors are carried, the total live load may be reduced by twenty per cent.; four floors, twenty-five per cent.; five floors, thirty per cent.; six floors, thirty-five per cent.; seven floors, forty per cent.; eight floors, forty-five per cent.; nine or more floors, fifty per cent.

The Superintendent may prescribe the maximum loads which may be imposed upon the floors of existing buildings.

The Superintendent shall prescribe the details of construction of all fire escapes.

SHUTTERS.

Sec. 37. In all first or second-class mercantile or manufacturing buildings over thirty feet in height, outside openings in party walls, or in any rear or side wall within twenty feet of an opposite wall or building, shall have metal frames and sashes, and shall be glazed with wire glass, or shall be protected by shutters. Such shutters shall be covered on both sides with tin, or shall be made of other substantial fireproof material, and hung on the outside, either upon independent metal frames or upon metal hinges attached to the masonry, and shall be made to be handled from the outside and one such shutter in each room shall have a protected hand-hole eight inches in diameter.

ELEVATORS.

Sec. 38. Elevators and hoists for freight which do not run above the first story may be constructed without fireproof enclosures. Freight and passenger elevators may be placed in areas or hallways where the same are continuous and unbroken, such elevators to be protected by metal grille. In all buildings more than three stories in height, except as above provided, all shafts for elevators, hoists and lifts shall be constructed of fireproof material. All light and ventilating shafts, air ducts and dumb waiters more than twenty-eight inches square, extending above one story, shall be constructed of or lined with incombustible material in a manner approved by the Superintendent. The tops of all such shafts shall be covered with incombustible material unless the shaft extends above the upper floor of the building, and in that case the shaft shall be carried at least three feet above the roof and shall be covered with a skylight. Such shafts, if for freight or for passenger elevators, shall be of brick at least eight inches thick, or of metal covered on both sides with at least one inch of plaster applied immedately to the metal. or of some other equally substantial fireproof material.

Every opening into a shaft or hoistway shall be protected by self-closing gates, rails, trap-doors, or other equivalent devices.

Every elevator shall be provided with a safety attachment to prevent the falling of the car. The machinery over the elevator shall have underneath it a grille sufficient to protect the car from falling material.

Every opening into an elevator shaft or hoistway and every opening through a floor, other than a stairway, shall be closed when not in use.

All elevator shaft openings, other than openings into passenger elevator shafts, shall be furnished with three-ply metal-covered or incombustible doors, hung in a manner satisfactory to the Superintendent, and shall be provided with iron thresholds. Wire glass panels may be used in such doors. Outside windows or openings of every elevator shaft other than shipping doors shall have three vertical iron rods, painted red equally spaced off in such window opening.

The space between the car of a passenger elevator and door of each landing shall be not more than two inches.

No elevator shall be used in any building until the same is approved in writing by the Superintendent.

In case any freight or passenger elevator is not constructed or furnished in compliance with this ordinance, or has become unsafe, the Superintendent shall post a conspicuous warning and prohibition at each entrance to such elevator. It shall thereafter, until a new written permit is given by the Superintendent, be a penal offence hereunder to operate the said elevator, or to remove or deface the said notice.

Freight elevator wells hereafter built on the line of the external wall of a building shall be so constructed that there shall be no recess in the outer wall along the whole line of the same, and that no more than two inches space shall be allowed between the platform of the car and the outer wall. The side of the platform and the line of the doorway shall be flush with the well-way, and the door openings from the said elevator well into the building shall be placed back from the face of the well, so as to allow space enough for self-closing gates to operate between the door and the well opening. Outside openings to freight elevators shall be protected by self-closing slatted gates, "vertical" with spaces not wider than two inches between the slats.

If any accident shall occur to any elevator affecting life or limb or damaging any part of the machinery or running parts of the elevator, it shall be the duty of the person in charge, immediately, before any repairs are made, or any broken pieces are removed, to notify the Superintendent of the accident, before the elevator is operated again, so that the cause of the accident may be determined, any faulty construction remedied, and satisfactory repairs made.

All manufacturers of elevators shall be required to test, in the presence of an inspector, the safety devices of every elevator installed

before the same is turned over to the owners for use, and the Superintendent shall be notified by the manufacturer at least twenty-four hours before such test is made. An inspector may require a test of the safety device of any elevator if in his judgment the same is required.

The Superintendent may require additional safeguards on elevators, if in his judgment the condition, use or surroundings of the elevator demand them.

The Superintendent shall inspect all freight and passenger elevators twice each year, and no elevator shall be operated more than six months without a permit from the Superintendent.

WOODEN BUILDINGS.

Sec. 39. Every wooden building hereafter erected shall have a foundation of concrete, rubble, block granite or brick, laid in mortar or other equally substantial material carried to the surface of the ground. Every such foundation, if of brick or concrete, shall be at least twelve inches thick; if of granite, shall be at least sixteen inches thick; if of rubble, shall be at least twenty inches thick at the bottom, tapering to sixteen inches at the top; and shall be laid at least four feet below any surface exposed to frost and upon solid ground or upon piles properly spaced.

Every wooden building hereafter erected or altered, the sills of which do not rest directly upon a foundation as above described, but on an underpinning, shall have such underpinning made of brick, stone or concrete; and if the building is forty feet or less in height above the highest street level of its principal front, the underpinning, if of brick or concrete, shall be at least eight inches thick, and if the building is of greater height, the underpinning, if of brick or concrete, shall be at least twelve inches thick; every underpinning of stone shall be at least sixteen inches thick. Every wooden building hereafter erected or altered and used for a workshop or other like purpose, or as a temporary structure, may, if the Superintendent approves, rest upon mud sills or blocks, or on piles.

Every wooden building exceeding fifteen feet in height hereafter erected or altered shall have all its parts of sufficient strength to carry the weight of the superstructure; shall be built with sills, posts, girts, studs and plates, properly framed, mortised, tenoned, braced and pinned in each story, or with a balloon frame: the posts and girts shall be not less than four by six inches in cross section, and the studs shall be not

more than twenty inches apart. Wooden buildings hereafter erected or altered for other purposes than habitation shall not be situated within three feet of the line of the lot unless the side wall on such line or lines be of brick or concrete, built to the under side of the roof.

Sec. 40. No wooden building hereafter erected or altered to be used as a habitation shall be more than three stories in height above the basement, nor more than fifty feet in height above the street level, nor shall any part of said building, except the eaves and cornice, be nearer than three feet to the line of any adjoining lot, or nearer than six feet to any other building on the same lot, unless the side wall of such adjoining building is constructed as a solid wall of brick or concrete or other incombustible material not less than eight inches thick, and carried twelve inches above the roof.

All wooden buildings hereafter constructed to form a block of two or more houses shall have a brick or concrete party wall between adjoining houses, which shall be not less than eight inches thick, shall be carried twelve inches above the roof, and shall be capped with a covering of stone, cement, or metal securely fastened to the masonry.

Except that if the roof is pitched at an angle of over twenty degrees the wall may stop at the under side of the roof boards.

FLOORING DURING CONSTRUCTION.

Sec. 41. If, in the erection of an iron or steel frame building, the spaces between the girders or floor beams of a floor are not filled and covered by the permanent construction of such floors before another story is added to the building, such provision shall be made to protect the workmen from falling materials as shall be satisfactory to the Superintendent.

ADDITIONAL REQUIREMENTS FOR TENEMENT HOUSES.

DEFINITIONS.

Sec. 42. Certain words are defined as follows:

1. A tenement house is any house, building, structure or portion thereof, occupied, or adapted for occupation, as a dwelling by more than three families living independently of one another and doing their cooking upon the premises, or by more than two families above the first story so living and cooking. A family living in a tenement house may consist of one or more persons.

2. A court is an open unoccupied space other than a yard on the

same lot with a building. An inner court is a court not extending to a street, or alley, or open passageway, or yard. An outer court is a court extending to a street, or alley, or open passageway, or yard. A vent court is an inner court for the lighting and ventilation of water-closets, bathrooms, public halls and stair halls only. An intake is a passageway connecting an inner court with a street, or alley, or open passageway or yard.

3. A public hall is a hall, corridor or passageway not within an apartment.

4. A stair hall includes the stairs, stair landings and those parts of the public hall through which it is necessary to pass in going from the entrance floor to the roof.

5. An apartment is a room, or suite of two or more rooms, occupied, or suitable for occupation, as a residence for one family.

6. An alcove is a portion of an apartment separated from an adjoining room by a partition, with an opening between the two of an area equal to not over sixty per cent. of the separating partition.

EXISTING BUILDINGS.

Sec. 43. Nothing herein contained unless herein otherwise provided shall be construed as requiring any alterations to be made of existing buildings which have been erected in conformity with the laws in force at the time the permits for same were granted.

FIRE-ESCAPES.

Sec. 44. In all tenement houses hereafter erected more than two stories in height above the basement or cellar there shall be provided at least two independent means of egress, accessible from each apartment above the first floor, one of whch shall be one of the following means of egress for escape from fire: (1) An interior enclosed stairway as described in this section; or (2) an exterior iron fire escape and stairs as hereinafter described; or (3) iron balconies connecting with adjoining houses, or with adjoining parts of the same house separated from each other by a brick partition wall in which there are no openings except such as are protected with fireproof self-closing doors.

1. Interior fire escapes may consist of wooden or other stairs. Such stairs shall extend from the top floor to the level of the entrance floor or basement, where they shall open into either an outer or an inner court or a yard or a public or private way. These stairs and

entrance halls connecting therewith shall be enclosed in the basement by brick walls at least eight inches thick, and the stairs and entrance halls connecting therewith above the basement shall be enclosed with fireproof partitions to the under side of the roof boards and shall have on each floor, in a public hall accessible from each apartment, a fireproof self-closing door and fireproof frame; such staircase to be provided with a ventilating skylight at least nine square feet in area. The soffits of the stairs and all landings within staircase enclosure, the ceiling of the entrance halls and the basement ceiling under same, if they are of wood, shall be plastered on metal lathing. No lock shall be placed on any skylight, but it may be fastened on the inside by movable bolts or hooks.

2. Exterior fire escapes shall be of iron, with iron grated floor, and capable of bearing a load of seventy pounds per square foot. The stair treads shall be of iron, and the pitch of the stairs shall not exceed forty-five degrees.

Balconies shall be at least three feet four inches wide, and the stairs at least twenty inches. There shall be a landing at the foot of each flight, and at the level of the second floor there shall be cantilever ladders, or other safe means for reaching the ground. The rails on horizontal balconies and on the stairs shall be at least two feet ten inches high at all points.

3. Balconies connecting adjoining houses, or adjoining parts of the same house as described above, shall be not less than thirty inches wide and capable of sustaining a load of seventy pounds per square foot. Railings shall be not less than two feet ten inches high, and shall be of iron.

All exterior fire escapes and balconies shall be built in accordance with specifications furnished by the Superintendent.

BULKHEADS AND SCUTTLES.

Sec. 45. Every tenement house hereafter erected shall have in the roof a bulkhead or scuttle. No scuttle shall be less in size than two feet by three feet, and all scuttles shall be covered on the outside with metal, and shall be provided with stairs or stationary ladders leading thereto and easily accessible to all tenants of the building, and kept free from encumbrance, and ready for use at all times. All scuttles required in this ordinance shall be in the ceiling of the public hall on the top floor, and access through the scuttle to the roof shall be direct and uninterrupted. Scuttles shall be hinged so as to readily open.

Every bulkhead hereafter constructed in a tenement house shall have stairs with a guide or hand rail leading to the roof, and shall be kept free from encumbrance and ready for use at all times. No lock shall be placed on any skylight, scuttle or bulkhead door, but either may be fastened on the inside by movable bolts or hooks. All key-locks on scuttles and on bulkhead doors shall be removed. No stairway leading to the roof in a tenement house shall be removed.

STAIR HALLS—HOW ENCLOSED.

Sec. 46. In second and third-class tenement houses hereafter erected, the stair halls other than those about interior fire escapes described in Section 44 may be enclosed with wooden stud partitions plastered on wooden laths.

In third-class tenement houses hereafter erected, the interior fire escapes described in Section 44 may be enclosed with wooden stud partitions if such partitions are covered on both sides with metal laths or with good quality plaster boards not less than one-half inch in thickness, made of plaster and strong fibre, and all joints made true and well pointed, and provided that the space between the studs is filled in with brick and mortar or other incombustible material to the height of the floor beams.

STAIRS.

Sec. 47. Every tenement house hereafter erected shall have at least one stairway extending from the entrance floor to the top story, in addition to the interior fire escape, and every tenement house hereafter erected containing more than one hundred rooms above the first floor, shall have an additional separate stairway for every additional one hundred rooms or fraction thereof. Stairs shall be at least three feet wide between the wall and the stair rail, and shall have proper railing.

ENTRANCE TO STAIRWAYS.

Sec. 48. Each stairway shall have an entrance on the entrance floor from a street or alley or open passageway or from an outer court, or from an inner court which connects directly with a street or alley or open passageway.

ENTRANCE HALLS.

Sec. 49. All entrance halls in every tenement house hereafter erected shall be at least three feet six inches wide in the clear, from the entrance up to and including the stair enclosure, and beyond this point at last three feet wide in the clear. If such entrance hall is the only entrance to more than one stairway, that portion of said hall between the entrance and the stairway shall be increased at least eighteen inches in width in every part for each additional stairway.

PARTITIONS, CONSTRUCTION OF.

Sec. 50. In all tenement houses of the second class hereafter erected, all bearing partitions shall run through the wooden floor beams and rest upon the cap of the partition below, or upon a girder or wall, and shall have the studding filled in solid between the uprights to the depth of the floor beams with incombustible materials. Fire stopping in third-class tenement houses may be of wood.

WOODEN TENEMENT HOUSES.

Sec. 51. Outside of the fire limit districts, tenement houses not exceeding three stories in height above the basement, nor two thousand square feet in area, may be erected of wood. No wooden tenement house shall be increased in height so as to exceed three stories above the basement or cellar.

Two separate houses may have one common entrance, provided the walls, floor and ceiling of said entrance are fireproofed to the satisfaction of the Superintendent.

SHAFTS.

Sec. 52. The skylight or roof covering every vent shaft in a tenement house shall be raised at all points at least one foot above the top of the walls of such vent shaft, and the space between the top of said walls and the skylight shall remain at all points open and unobstructed except for such supports essential to the stability of the skylight, as may be approved by the Superintendent.

PORTIONS USED FOR MERCANTILE PURPOSES, ETC.

Sec. 53. If any portion of a tenement house is to be used for mercantile manufacturing or storage purposes, the walls and ceilings

surrounding the areas so used shall be metal lathed or fire stopped to the satisfaction of the Superintendent.

Sec. 54. The Superintendent may require that all transoms and windows opening into halls from any part of a tenement house where paint, oil, spirituous liquors or drugs are stored for the purpose of sale or otherwise, shall be glazed with wire-glass, or that they shall be removed and closed up as solidly as the rest of the wall.

LIGHT AND VENTILATION.

YARDS.

Sec. 55. The requirements for yards hereinafter provided shall be deemed sufficient for all tenement houses.

Except in those cases hereinafter provided for, there shall be, behind every tenement house hereafter erected, a yard extending across the entire width of the lot, and at every point open from the ground to the sky unobstructed, except by fire escapes or unenclosed outside stairs.

The depth of said yard shall be measured from the extreme rear wall of the house to the rear line of the lot, and at right angles to said line, except that where there is an alley or open passageway in the rear of the lot the depth of the yard may be measured to the middle of said alley or open passageway. On an irregular lot of several depths where there is more than one rear line to the lot, such yard may extend across the entire width of the lot in sections, provided that each section of the yard is in every part and at every point of the minimum depth herinafter prescribed. Where the side lines of a lot converge toward the rear, the depth of the yard shall be such as to give it an area equal to the greatest width of the yard multiplied by the depth hereinafter prescribed.

Except as hereafter provided, the depth of the yard behind every tenement house hereafter erected fifty feet in height or less shall be not less than ten feet in every part. All yards without exception shall be increased in depth at least one foot for every additional ten feet of height of the building, or fraction thereof, above fifty feet.

When a tenement house hereafter erected does not front upon a street, a public alley, or a passageway, not less than fifteen feet wide, the requirements in this section as to yards shall apply to the front of such tenement house as well as to the rear. Neither the yard behind one tenement house nor any part thereof shall be deemed to

satisfy in whole or in part the requirement of a yard in front of another tenement house.

Provided, however, that in all cases where a yard is required by this ordinance, the building above the first story shall not cover more than seventy-five per cent. of the total lot area, unless a special permit shall have been granted therefor by the Superintendent and unanimously approved by the Board of Appeal. If the lot upon which the building stands extends through to an open alley or passage in the rear, half of the area of said passage opposite the rear line of the lot may be included as a part of the total lot area in estimating the size of the building.

CASES IN WHICH NO YARD SHALL BE REQUIRED.

Sec. 56. No yard shall be required behind a tenement house hereafter erected upon a lot which abuts at the rear upon a railroad right of way, a cemetery or a public park.

No yard shall be required behind a tenement house hereafter erected upon a lot entirely surrounded by streets or by streets, alleys or open passageways, not less than twelve feet in width, or by such streets, alleys, and passageways and a railroad right of way, a cemetery or a public park.

No yard shall be required behind a tenement house hereafter erected upon a lot running through from street to street or from a street to an alley or open passageway not less than twelve feet in width, provided that when a lot runs through from a street to a passageway less than twelve feet wide, the building shall be set back so that the distance from the centre of the passageway to the rear line of the building shall be not less than that prescribed in the previous section for yards.

The rear yard herein provided for may be occupied over the whole area for mercantile or manufacturing purposes through the height of the basement and first story, not exceeding fourteen feet above the first floor.

COURTS.

Sec. 57. No court of a tenement house hereafter erected shall be covered by a roof or skylight, but every such court shall be at every point open to the sky unobstructed. All courts, except for fire escapes, may start at the second tier of beams.

OUTER COURTS.

Sec. 58. The width of outer courts for tenement houses fifty feet or less in height shall be not less than six feet in every part; and for every ten feet of increase or fraction thereof in height of such tenement houses, such width shall be increased one foot, throughout the whole length of the court.

Wherever an outer court changes its initial horizontal direction, or wherever any part of such court extends in a direction so as not to receive direct light from the street or yard, or from an alley, or open passageway not less than twelve feet in width, the length of that part of the court shall never exceed its width, such length to be measured from the point at which the change of direction begins.

INNER COURTS.

Sec. 59. The provisions of this section shall apply only to tenement houses hereafter erected. Where the building does not exceed fifty feet in height, the least width of the court shall be not less than eight feet, and the area of the court shall be not less than one hundred and twenty-eight square feet. For every ten feet or fraction thereof of increase in the height of the building above fifty feet the minimum width of such inner courts shall be increased by one foot, and the area shall be increased proportionally.

VENT COURTS.

Sec. 60. Inner courts used solely for the lighting and ventilation of water-closets, bathrooms, public halls or stair halls, or for interior fire escapes, may be constructed in any tenement house, and shall be not less than fifteen square feet in area, nor less than three feet in the least horizontal dimension for buildings fifty feet or less in height. For every increase of ten feet or fraction thereof in the height of such buildings, the least dimension shall be increased by one foot, and the area by not less than eight square feet.

INTAKES.

Sec. 61. Every inner court in a tenement house hereafter erected shall be provided with one or more horizontal intakes at the bottom. Such intakes, in vent courts, shall not be less than four square feet in area, so arranged as to be easily cleaned; in other inner courts they

shall be not less than three feet wide and seven feet high, and there shall be at least two open grill doors, containing not less than fifteen square feet of unobstructed openings, one at the inner court and the other at the street or yard, as the case may be.

ANGLES OF COURTS.

Sec. 62. Nothing contained in the foregoing sections concerning outer and inner courts shall be construed as prohibiting cutting off the angles of such courts by diagonal walls, provided the running length of said walls does not exceed six feet, or as prohibiting the placing of windows in such walls.

BUILDINGS ON THE SAME LOT WITH TENEMENT HOUSES.

Sec. 63. Except as otherwise provided in Section 56, no tenement house shall hereafter be so enlarged or its lot so diminished, and no building of any kind shall be hereafter so placed upon the same lot with a tenement house, as to decrease the minimum depth of yards or the minimum size of courts or yards prescribed in this act for tenement houses hereafter erected.

ROOMS, LIGHTING AND VENTILATION.

Sec. 64. In every tenement house hereafter erected there shall be in each room, except water-closet compartments and bathrooms, windows with movable sashes of a total area of at least one-eighth of the floor area of the room, opening directly on a street or public alley or open passageway not less than fifteen feet wide, or upon a yard or court, or the dimensions hereinbefore specified, or upon a railroad right of way, cemetery or public park. The top of at least one window shall be not less than seven feet above the floor, except in rooms on the top floor, where the top of at least one window shall not be less than five feet six inches above the floor.

ALCOVES.

Sec. 65. Every alcove in every tenement house hereafter erected shall be provided with an opening into a room, such opening to be equal in area to sixty per cent. of that side of the alcove in which the opening is located.

No portion of a room in any tenement house shall be partitioned

off so as to form an alcove not conforming to the provisions of this ordinance.

ROOMS, SIZE OF.

Sec. 66. In every tenement house hereafter erected all rooms, except water-closet compartments and bathrooms, shall be of the following minimum sizes: In each apartment there shall be at least one room containing not less than one hundred and twenty square feet of floor area and provided with a chimney flue and thimble, except where said room is furnished with heat from a central heating apparatus. Each room above the basement shall be in every part not less than eight and one-half feet high from the finished floor to the finished ceiling, provided that only one-half of an attic room need be eight and one-half feet high. No bedroom above the basement shall be of an area less than seventy square feet, except one in each apartment, which may be not less than sixty-three square feet.

PUBLIC HALLS.

Sec. 67. Except as otherwise provided in Section 68, in every tenement house hereafter erected, every public hall shall have at least one window opening directly upon a street, a public alley or open passageway not less than ten feet in width, a railroad right of way, a cemetery or a public park, or upon a yard or court or a vent court as provided in Section 60.

Any part of a hall which is shut off from any other part of said hall by a door or doors shall be deemed a separate hall within the meaning of this section.

WINDOWS FOR STAIR HALLS, SIZE OF.

Sec. 68. In every tenement house hereafter erected the aggregate area of windows to light or ventilate stair halls on each floor shall be at least twelve square feet; provided, however, that when there shall be, within the space enclosed by the stairway and its landings, from the second story upward, an open area for light and ventilation whose least horizontal dimension shall be in no case less than three feet, then the windows required in Section 67 may be omitted, in which case there shall be in the roof, directly over the stairwell, a ventilating skylight provided with ridge ventilators, having a minimum opening of forty square inches, or else such skylight shall be provided with

fixed or movable louvres. The glazed roof of the skylight shall be not less than twenty square feet in area.

The conditions herein contained, which apply to public stairs and halls, shall not apply to prohibit or restrict the construction of additional stairs and halls for service purposes.

PRIVACY.

Sec. 69. In every apartment of four or more rooms in a tenement house hereafter erected, at least one water-closet compartment shall be accessible without passing through any bedroom.

BASEMENT IN TENEMENT HOUSES.

Sec. 70. In tenment houses no room in the cellar or basement shall be occupied for living purposes, unless all of the following conditions are complied with:

1. Such room shall be at least eight feet high in every part from the floor to the ceiling, and shall contain not less than ninety feet floor area.

2. There shall be appurtenant to such room the use of a water-closet, separate therefrom, constructed and arranged as required by Section 69.

3. Such room shall have a window or windows opening upon the street, an alley or open passageway not less than fifteen feet in width, a railroad right of way, cemetery or public park or upon a yard or court. The total area of windows in such room shall be at least one-eighth of the floor area of the room, and one-half of the sash shall be made to open full width, and the top of each window shall be within six inches of the ceiling.

4. The floor of such rooms shall be damp-proof and water-proof, and all walls surrounding such room shall be damp-proof.

WATER-CLOSETS IN TENEMENT HOUSES HEREAFTER ERECTED.

Sec. 71. In every tenement house hereafter erected there shall be a separate water-closet in a separate compartment within each apartment of four or more rooms. Such compartment shall have a window, opening directly, or through a straight horizontal shaft of the same dimensions as the window and not more than four feet long, upon a street, a railroad right of way, cemetery or public park or a yard or alley or open passageway not less than four feet wide, or

upon a vent court or upon a covered passageway not more than twenty feet long and at least twenty feet wide, and twenty feet high. Every such window shall be at least one foot by three feet between stop beads; and the whole window shall be made so as to open readily. When, however, such water-closet compartment is located on the top floor and is lighted and ventilated by a skylight over it, no window shall be necessary, provided that the roof of such skylight contains at least three square feet of glazed surface and is arranged so as to open readily. Nothing in this section in regard to the ventilation of water-closet compartments shall apply to water-closet hereafter placed in an existing tenement house, to replace a defective fixture in the same position and situation. Every water-closet compartment in any tenement house shall be provided with proper means of lighting the same at night. No plumbing fixtures shall be enclosed with any woodwork.

LIGHTING AND VENTILATION OF EXISTING TENEMENT HOUSES.

Sec. 72. The Superintendent may require rooms in existing tenement houses to be provided with adequate lighting and ventilation, not exceeding the minimum requirements of this ordinance. No tenement house shall be so altered as to reduce the provisions for the light and ventilation of any room or alcove or public hall or stair hall below the requirements of this ordinance.

SKYLIGHTS.

Sec. 73. Where the public hall in an existing tenement house is not provided with windows opening as provided in Section 67, and where there is not a stairwell as provided in Section 68, all doors leading from such public hall into apartments shall be provided with translucent glass panels of an area of not less than four square feet for each door; or such public hall may be lighted by a window or windows at the end thereof with the plane of the window at right angles to the axis of the hall, said window opening upon the street, a railroad right of way, cemetery, public park, or an alley or open passageway at least ten feet in width, or upon a yard or court of the dimensions hereinbefore provided.

There shall be no flights of stairs of more than fifteen or less than three steps between landings.

WATER SUPPLY.

Sec. 74. In every tenement house hereafter erected there shall be in each apartment a proper unenclosed sink with running water.

DRAINAGE OF COURTS AND YARDS.

Sec. 75. In every tenement house hereafter erected or altered, all courts, areas, intakes and yards shall be properly graded, drained or otherwise surfaced to the satisfaction of the Superintendent.

RECEPTACLES FOR GARBAGE AND ASHES.

Sec. 76. Receptacles or conveyors for ashes, rubbish, garbage, refuse or other matter shall be subject to the regulations of the Board of Health.

THEATRES.

DEFINITION.

Sec. 77. Every building hereafter erected so as to contain an audience hall and a stage, with curtain, movable or shifting scenery, and machinery, adapted for the giving of plays, operas, spectacles or similar forms of entertainment, and of a size to provide seats for more than five hundred spectators, shall be a theatre within the meaning of this ordinance. No existing building shall be altered and used as a theatre, unless it conforms to the provision of this ordinance for a new theatre.

CONSTRUCTION.

Sec. 78. Every theatre hereafter built to contain an audience of more than a thousand people or with more than one gallery or balcony above the main floor, and every theatre, the stage of which is more than five feet above the level of the principal street upon which the theatre abuts, shall be built of fireproof construction throughout, except that the floor boards may be of wood, and the steel work of the stage, of the fly galleries, and of the rigging loft need not be fireproofed.

Theatres seating less than one thousand persons, of which the stage is not over five feet above the level of the principal street, may be of second-class construction, but no theatre nor place of amusement shall be built of third-class construction.

OPEN COURTS.

Sec. 79. Every theatre built in a block not on a corner shall have an open court or passageway on both sides extending from the proscenium line to the line of the street on the front, or in case the building abuts on a street both in front and rear, these passages may extend from the line of the front of the auditorium to the line of rear street. These passages shall be at least six feet wide throughout their length, and shall not be closed by any locked gate or doorway. They shall immediately adjoin the auditorium, or a side passage or lobby directly connected therewith. These passages shall be open to the sky opposite the whole depth of the auditorium, but may be carried out to the street front or rear through passages enclosed by brick walls or other fireproof material equally efficient, and covered by a solid brick vault at least eight inches thick, each passage to be not less than six feet wide and ten feet high throughout.

Sec. 80. Every theatre built upon the corner of two streets shall have one inner court on the side of the building away from the side street, such court to be of the same description as the courts provided for in the preceding paragraph; but if the theatre is so planned that the auditorium is carried out on two sides to the lines of a public or private street or way, or is separated from such lines only by side passages or lobbies, both courts may be omitted.

STORES, ETC.

Sec. 81. Nothing in this ordinance shall be construed to prohibit the use of any part of a theatre building for stores, offices, or for habitation, provided that the parts so used shall be built with exits to the street entirely distinct from the rest of the building, and shall be separated from the rest of the building by solid partitions or walls, without any openings in the same.

FLOOR LEVELS.

Sec. 82. In all theatres, the entrances shall be not more than one step above the level of the sidewalk of the main street.

PROSCENIUM WALL.

Sec. 83. The stage of every theatre shall be separated from the auditorium by a wall of fireproof construction, which wall shall extend the whole width of the auditorium and the whole height to the roof

of the portion occupied by the stage. There shall be no openings through this wall between the stage and the auditorium except the curtain opening, one doorway each side behind the boxes, and one doorway which shall be located at or below the level of the stage. The doorways shall not exceed twenty-one superficial feet each, and shall have standard fire doors hung in a manner satisfactory to the Superintendent. The finish or decorative features around the curtain opening of every theatre shall be of fireproof material.

In all buildings of second-class construction, the proscenium wall must be of brick laid in mortar composed of at least one-third cement to two-thirds lime, must be twenty inches thick in the basement, not less than sixteen inches thick to a height of forty feet above the stage level, and not less than twelve inches thick for remaining height. In a building of first-class construction, this partition may be constructed of any of the approved fireproof materials provided for in this ordinance.

CURTAIN.

Sec. 84. The proscenium or curtain opening of every theatre shall have a fire-resisting curtain reinforced by wire netting, or otherwise strengthened. If of iron, or similar heavy material, and made to lower from the top, it shall be so arranged as to be stopped securely at a height of seven feet above the stage floor, the remaining opening being closed by a curtain or valance of fire-resisting fabric.

STAGE FLOOR.

Sec. 85. In theatres of first-class construction, the part of the stage floor, usually equal to the width of the proscenium opening, used in working scenery, traps or other mechanical apparatus, may be of wood, and no flooring used thereon shall be less than one and one-eighth inches in thickness.

VENTILATORS.

Sec. 86. There shall be one or more ventilators near the centre, and above the highest part of the stage of every theatre, of a combined area of opening satisfactory to the Superintendent, and not less than one-tenth of the area of the undivided floor space behind the curtain at the stage floor level. The openings in every such ventilator shall be closed by valves or louvres so counterbalanced as to open

automatically, which shall be kept closed when not in use, by a fusible link and cord reaching to the prompter's desk, and readily operated therefrom. Such cord shall be of combustible material and so arranged that if it is severed the ventilator will open automatically.

Skylight coverings for ventilators shall have sheet metal frames set with double-thick glass, each pane thereof measuring not less than wire glass is not used, a suitable wire netting shall be placed immediately beneath the glass but above the ventilator opening. Illuminating fixtures over the auditorium shall be suspended and secured in a manner approved by the Superintendent.

Glass on illuminating fixtures over the auditorium shall be secured from danger of falling as the Superintendent shall require, but in no case shall any glass more than six inches in diameter or length be hung over the auditorium unless protected from falling by a wire netting or similar device satisfactory to the Superintendent.

SEATS IN AUDITORIUM.

Sec. 87. All seats in the auditorium excepting those contained in boxes shall be spaced not less than thirty inches from back to back, measured in a horizontal direction, and shall be firmly secured to the floor. No seat in the auditorium shall have more than six seats intervening between it and an aisle on either side.

The platforms for seats in balconies and galleries shall nowhere have a greater rise than twenty-one inches, nor be less than thirty inches from back to back.

AISLES.

Sec. 88. All aisles on the respective floors in the auditorium, having seats on both sides of the same, shall be not less than thirty inches wide where they begin and shall be increased in width toward the exits in the ratio of one inch to five running feet. Aisles having seats on one side only shall be not less than two feet wide at their beginning and shall increase in width, the same as aisles having seats on both sides.

CHANGES IN LEVEL.

Sec. 89. All changes in the levels of the floors of such buildings, except under stairways, from story to story, and except the necessary steps in gallaries and balconies rising toward the exits, shall be made by inclines of no steeper gradient than two in ten within the auditorium and rising toward the exits, and one in ten for all others.

LOBBIES.

Sec. 90. Preceding each division of the theatre there shall be foyers, lobbies, corridors, or passages, the aggregate capacity of which on each floor or gallery shall be sufficient to contain the whole number to be accommodated on such floor or gallery in the ratio of one square foot of floor room for each person.

STAGE DOORS.

Sec. 91. There shall be not less than two exit doors, each not less than three feet in width, located as far apart as practicable, and opening directly upon a street, alley, court, courtway or passage leading to a public thoroughfare.

ROOM EXITS.

Section 92. All rooms in theatres for the use of persons employed therein shall have passages to at least two independent means of exit.

DOORS TO OPEN OUTWARD.

Sec. 93. All doors of exit or entrance shall open outward, and shall be hung so as to swing in such a manner as not to become an obstruction in a passage or corridor, and no such doors shall be fastened so as to be inoperative when the building is occupied by an audience.

FALSE DOORS.

Sec. 94. No mirrors shall be so placed as to give the appearance of a doorway or exit, hallway, or corridor, nor shall there be any false doors or windows.

MAIN FLOOR AND FIRST GALLERY EXITS.

Sec. 95. A common exit may serve for the main floor of the auditorium and the first gallery, provided that its capacity be equal to the aggregate capacity of the outlets from the main floor and the said gallery; and provided that the lowermost run of any exit leading from a gallery shall not open directly at right angles with the central axis of a common exit unless there is a clear space or landing of at least one and one-quarter times the width of the exit between the foot of such exit and such centre line or nearest exit doorway.

EXITS.

Sec. 96. Two distinct and separate exits shall be provided for each gallery and balcony above the main floor; and the same shall be located on opposite sides of the galleries.

All gallery or balcony exits shall start with a width of not less than three feet at the uppermost gallery.

Exits from balconies and galleries shall not communicate with the basement or cellar.

AGGREGATE WIDTH OF EXITS.

Sec. 97. The aggregate width of all the exits previously described shall be estimated on a basis of not less than twenty inches for every one hundred persons for whom seats are provided in the sections of the auditorium served by the respective exits.

EMERGENCY EXITS.

Sec. 98. In addition to the exits previously described there shall be one exit from each side of each gallery, balcony, and main floor of auditorium, at least five feet wide, leading to exterior balconies not less than four feet wide and twenty feet long on each side of the auditorium. From such balconies there shall be staircases extending to the ground level, which may be counterweighted, with risers of not over eight and one-half inches and treads of not less than nine and one-half inches, exclusive of nosing. The aggregate width of these emergency stairs shall be not less than ten inches for every one hundred people served thereby, no single stairs being less than thirty inches wide. If counterweighted, these stairs shall be lowered during all performances.

Where such stairs are in an interior court, each run shall be covered by a light awning of iron.

Nothing herein shall prohibit the building of emergency stairs and exits inside the walls of the building, provided that they are surrounded by a fireproof partition not less than four inches thick separating the exits and stairways from the audience room or auditorium.

ADDITIONAL REQUIREMENTS.

Sec. 99. The Superintendent shall have power to require a greater number or capacity of exits than is herein prescribed.

In every theatre there shall be over every exit, on the inside, and

over every opening to a fire escape, on the inside, an illuminated sign, bearing the word "exit" or "fire escape," respectively, in letters not less than four inches high. The lights for the exit signs, passages, stairs, lobbies, auditoriums, rear of auditoriums, balconies galleries for the balconies, and stairs outside the building, shall be so arranged that they can be turned on or off independently of the means provided on the stage or in any part of the building in the rear of the proscenium wall. Every exit sign shall be kept illuminated and every outside balcony and fire escape shall be kept well lighted during the performance, except outside exits during a performance before sunset.

Plans showing the exits and stairways shall be legibly printed so as to occupy a full page of every program or play bill.

STAIRS.

Sec. 100. The cut of the stair stringers shall not exceed seven and one-half inches rise, nor be less than ten and one-half inches tread.

LANDINGS OF STAIRS.

Sec. 101. Every landing shall be at least four feet wide. When straight stairs return directly on themselves, a landing of the full width of both flights, without any steps, shall be provided. The outer line of landings shall be curved to a radius of not less than two feet to avoid square angles. Stairs turning at an angle shall have a proper landing without winders introduced at the turn. No door shall open immediately upon a flight of stairs, but a landing at least two feet wider than the width of the floor opening shall be provided between such stairs and such door. When two side flights connect with one main flight, no winders shall be introduced, and the width of the main flight shall be at least equal to the aggregate width of the side flights.

HAND-RAILS.

Sec. 102. All enclosed stairways shall have, on both sides, strong-hand-rails, firmly secured to the wall, about three inches distant therefrom and about three feet high above the stairs.

All stairways eight feet and over in width shall be provided with a central rail of metal or hardwood, not less than two inches in diameter, placed at a height of about three feet above the centre of the treads, supported on wrought metal or brass standards of sufficient strength, securely bolted to the treads or risers of the stairs; and at

the head of each flight of stairs, and on each side of the landing, the post or standard shall be at least six feet in height, and the rail shall be secured to the post.

MEASUREMENTS FOR WIDTH OF STAIRS.

Sec. 103. The width of all stairs shall be measured in the clear between the hand rails.

No winding or circular stairs shall be permitted.

RADIATORS FORBIDDEN IN PASSAGEWAYS.

Sec. 104. No coil or radiator or floor register shall be placed in any aisle or passageway used as an exit; but all such coils and radiators may be placed in recesses formed in the wall or partition to receive the same.

No boiler furnace, engine or heating apparatus, except steam, hot-water or hot-air pipes or radiators, shall be located under the auditorium or under any passage or stairway or exit of any theatre.

SPRINKLERS AND STANDPIPES.

There shall be at least two two-inch high-service standpipes on the stage of every theatre, with ample provision of hose nozzles at each level of the stage on each side, and the water shall be kept turned on during the occupation of the building by an audience. The said pipes shall in no case be sealed, and shall have two gates, one above the other, with a proper test or waste valve; the lower gate to be kept open at all times. The proscenium opening of every theatre shall be provided with a two and one-half inch perforated iron pipe, or equivalent equipment of automatic or open sprinklers, so constructed as to form, when in operation a complete water curtain for the whole proscenium opening and there shall be for the rest of the stage a complete system of fire apparatus and perforated iron pipes, automatic or open sprinklers. Such pipes or sprinklers shall be supplied with water by high pressure service and shall be at all times ready for use.

PLACES OF PUBLIC ASSEMBLY.

Sec. 105. Every building hereafter erected as a place of public worship or with a hall or assembly-room to contain an audience of more than a thousand persons, shall be of fireproof construction throughout, except the roof, which may be of second-class construction.

The capacity of a hall or assembly-room shall be estimated on the basis of eight square feet for each person.

No existing building shall be altered to contain a hall or assembly-room exceeding the foregoing dimensions, unless the whole building as altered shall conform to the provisions of this ordinance.

Every hall, auditorium or room of every building hereafter erected for or converted to use as a schoolhouse, factory, theatre or place of public assembly or entertainment, shall have in continuous operation while occupied a system of ventilation so contrived as to provide fifty cubic feet per minute of outer air for each light other than an electric light and for each occupant.

MOVING PICTURE SHOWS.

Sec. 106. All moving picture shows shall be subject to the provisions of Chapter 176 and of Chapter 437 of the acts of the year nineteen hundred and five, and of any amendments thereof or additions thereto now or hereafter made.

EXITS, ETC.

Sec. 107. Every building hereafter erected containing a hall or assembly-room shall conform to all the aforesaid requirements as to exits, stairways, exit lights, aisles and seats which apply to theatres, subject to such exceptions as the Board of Appeal shall approve.

ROOF GARDENS.

Sec. 108. Nothing herein contained shall prevent the placing of a roof garden, art gallery, or rooms for similar purposes above a theatre, provided the floor of the same forming the roof over such theatre shall be constructed of fireproof materials, and shall have no covering boards or sleepers of wood. Every roof over such garden or other rooms shall have all supports and rafters of steel, and, if covered, shall be covered with glass or fireproof material, or both.

EXITS FROM ROOF GARDENS.

Sec. 109. Exits from roof gardens may communicate with stairs leading from the auditorium of the theatre, but they shall be at least four in number, not less than four feet six inches wide, and distinct and separate from each other from roof to street.

SUMMER THEATRES.

Sec. 110. Summer theatres, if built without the building limits, and located thirty feet distant from any other building or structure or adjoining lot lines, and of no greater seating capacity than seven hundred and fifty persons, and not more than one story high, without balconies, or galleries may be constructed as follows:

The auditorium without a cellar or basement, with open sides of double the number of exits as herinbefore provided, opening directly into the surrounding courts or gardens at the grade level, and the adjoining dressing rooms, may be of wooden construction, but the stage shall be enclosed in brick walls not less than twelve inches thick, or shall be plastered on metal lathing throughout; provided that the openings leading to the dressing rooms shall be provided with fire-doors.

Otherwise, all protective features and arrangements shall comply with all provisions for theatres.

EXISTING THEATRES.

Sec. 111. Alterations of existing theatres and places of public assembly shall be subject to such regulations as the Superintendent shall prescribe in each case, not inconsistent with the provisions of this ordinance for new structures.

PLUMBING.

DEFINITION OF TERMS.

Sec. 112. The following terms shall have the meanings respectively assigned to them:

"Repair of leaks" shall mean such repairs as are necessary to protect property, but do not involve any extensive change of construction.

"Y-branches" shall mean a branch at sufficient angle to direct the flow and prevent backing up.

"Air-pipes" or "back air pipes" shall mean air pipes from traps that extend toward the main soil pipe or the outer air and connect with not more than three traps.

"Vent pipes" shall mean general lines of back air pipes connecting with more than three fixtures.

"Drain" shall mean that part of the drainage system of a building extending through basement or cellar to sewer.

"Soil pipe" shall mean that part of the drainage system of a building, of four inches or more internal diameter, between basement or cellar and the highest fixture in the building.

"Ventilation pipe" shall mean the extension of the soil pipe from the highest fixture to and through the roof.

"Surface drain" shall mean a connection with drain in the basement to allow egress of surface water or overflow.

"Fixture" shall mean any receptacle or outlet placed for the purpose of disposing of waste water or other matter, and connecting with the waste, soil or drain pipe of a building.

Except as otherwise distinctly provided, Sections 113 to 124 inclusive shall apply only to alterations and to new plumbing work.

REGISTRATION.

Sec. 113. No plumber shall engage in or work at the business of plumbing unless he shall have first registered his name and place of business in the office of the Superintendent, and no person shall by display of sign or plumbing material, or otherwise, advertise as a plumber unless he shall have been registered or licensed as such. Every master plumber shall conspicuously display his certificate or license within his place of business. Notice of any change in the place of business of a registered or licensed master plumber shall be immediately given to the Superintendent.

NOTICES.

Sec. 114. Every plumber, before doing any work in a building, shall, except in the case of repair of leaks, file at the office of the Superintendent, upon blanks for that purpose, an application for a permit, and if required by the Superintendent a plan or sketch of the work to be performed; and no such work shall be done in any building without a written permit from the Superintendent.

CONNECTION WITH SEWER OR DRAIN.

Sec. 115. The plumbing of every building shall be separately and independently connected outside the building with the public sewer, if such sewer is provided, or with a proper and sufficient private drain or sewer laid outside of the building, and if a sewer is not accessible, with a proper cesspool. Several buildings may have a common sewer connection if such connection is approved by the Superintendent.

INSPECTION AND TESTS.

Sec. 116. Pipes or other fixtures shall not be covered or concealed from view until approved by the Superintendent who shall examine or test the same within two working days after notice that they are ready for inspection.

Plumbing shall not be used unless, when roughed in, the wastes, vents and back-air pipes and traps are first tested by water or sufficient air pressure in the presence of the inspector, when such testing is practicable.

SOIL AND WASTE PIPES AND TRAPS.

Sec. 117. The waste pipe of every independent sink, basin, bath-tub, water-closet, slop-hopper, urinal or other fixture shall be furnished with a separate trap, which shall be placed as near as practicable to the fixture which it serves. A sink and set of three wash-trays or a bath-tub and a basin, when they adjoin, may be connected to the house drain through one five-inch round trap, when the outlets are not over three feet six inches apart. The outlet from each fixture shall enter the trap separately. Not more than four wash-bowls or sinks in a continuous line may be connected to the house drain through one five-inch round trap. Two water-closets or two other traps on the same level with not more than three feet of waste pipe and connecting with the soil or waste pipe not more than eighteen inches below the top water line of the trap, shall not require other vent than the continuation of the soil or waste pipe full size for its whole length. Lateral branches of soil or waste pipe, if more than twenty feet in length, shall be extended through the roof in a size prescribed for the ventilation of the attached trap, or be vented into a main vent line. All connections on lead waste and back-air pipes and of lead pipes to brass ferrules and soldering nipples shall be full size wiped soldered branch, round or flanged joints. Soil and waste pipes shall have proper T-Y or Y branches for all fixture connections. No connection to lead bends for water-closets or slop-sinks shall be permitted, except the required back-air pipe where a continuous vent is not practicable.

Eathenware traps shall have heavy brass floor plates soldered to the lead bends and bolted to the trap flange, and the joint made gas tight with red or white lead. Rubber washers for floor connections shall not be used. Crown venting shall not be used except where continuous venting is not practicable.

BACK-AIR PIPES, VENTS, ETC.

Except as otherwise provided, traps shall be protected from siphonage or air pressure by special iron or brass air pipes of a size not less than the waste pipes they serve; back-air pipes shall not be connected to the trap or branched into the waste pipe, except where a continuous vent is not practicable, but a suitable non-siphon trap may be used without a back-air pipe upon the approval of the Superintendent. Back-air pipes shall enter the waste pipe within eighteen inches from the trap and shall be a continuation of the waste pipe. Lead air pipes may be used only for short connections, where they are exposed to view. Air pipes for water-closet traps shall be connected to the highest point of bend or trap, and may be of two-inch bore if for not more than three fixtures and less than thirty feet in length; if for more than three fixtures or more than thirty feet in length they shall be of three-inch bore. Air pipes shall be run as direct as practicable, and if one and one-half inches or less in diameter shall not exceed thirty feet in length. Two or more air pipes may be connected together or with a vent pipe; but in every such case the connection shall be above the top of the fixture. The trap for the upper fixture on a line of soil or waste pipe, if within five feet of the stack in a horizontal line, shall not require a special air pipe, unless the outlet is branched into a stack more than eighteen inches below the top water-line of the trap. Diameters of vent pipes shall not be less than two inches for main vents through less than seven stories; three inches for water-closets on more than three floors and for other fixtures in more than seven stories. All vent pipes shall be at least four inches in diameter when they pass through the roof. Vent lines shall be connected at the bottom with a soil or waste pipe or with the drain, in such a manner as to prevent accumulation of rust scale and properly to drip the water of condensation. Offsets shall be made at an angle of not less than forty-five degrees. Soil pipes or iron waste pipes, vents and back-air pipes shall be supported by clamps to the woodwork, iron drive hooks to brick walls, or bolted clamps to iron girders.

All traps, except for water-closets, not provided with special air pipes shall be suitable non-siphon traps. Round traps shall be not less than four inches in diameter and eight inches long, and made of eight-pound lead. All trap screws shall be water-sealed.

CHEMICAL LABORATORIES.

Fixtures and waste pipes in chemical laboratories shall be installed in accordance with plans approved by the Superintendent.

STABLES.

The drainage of stable fixtures shall be constructed in accordance with plans approved by the Superintendent.

Sec. 118. In buildings where a series of bathrooms or kitchens are located directly over each other and having a common soil or waste pipe, the back-air pipe required shall be a vent line connecting with each outlet branch close to the water-closet connection or outlet from the sink trap, each branch vent to connect to vent line above the top of the highest fixture on each floor, the vent line to connect to main vent line above the top of the highest fixture in the building.

In the case of batteries of water-closets or other fixtures the special air pipe from each trap may be omitted, provided the soil or waste pipe, undiminished in size, is continued to a point above the roof or revented into the main soil pipe system above the top of the uppermost fixture.

REFRIGERATOR WASTES AND DRIP PIPES.

Section 119. All drip or overflow pipes shall be extended to some place in open sight, and in no case shall any such pipe be connected directly with the drain pipe. No waste pipe from a refrigerator or other receptacle in which provisions are stored shall be connected directly with a drain or other waste pipe. The waste pipes from all other fixtures shall be connected directly with a drain pipe. Refrigerator wastes connecting with two or more stories shall be supplied with a trap on the branch for each floor and extended through the roof.

WATER-CLOSETS, ETC.

Sec. 120. Every water-closet or line of water-closets shall be supplied with water from a tank or cistern, and shall have a flushing pipe of not less than one and one-quarter inches in diameter.

DIAMETERS OF WASTE PIPES, ETC.

Sec. 121. The diameters of soil and waste pipes shall be not less than those given in the following table:

	Inches.
Soil pipes	4
Main waste pipes	2
Main waste pipes for kitchen sinks on five or more floors	3
Branch waste pipes for laundry tubs	1½
Branch waste for kitchen sinks	1½

Branch waste for urinals 1½
No branch waste for other fixtures shall be less than . . 1¼

Except that, with the approval of the Superintendent, a three-inch soil pipe may be used for one water-closet where it is not practicable to use a four-inch pipe.

FERRULES, CLEAN-OUTS, ETC.

The screw cap shall have a solid square or hexagonal nut, not less than one-half inch high, with a least diameter of one and one-half inches. The bodies of brass clean-out ferrules shall be at least equal in weight and thickness to the calking ferrule for the same size of pipe.

LEAD BENDS.

Lead bends shall be not less than eight pounds per foot.

BRASS PIPE.

Brass pipe for soil, waste, vent and back-air pipes shall be thoroughly annealed, seamless, drawn brass tubing, of not less than No. 13 Stubbs gauge.

No slip joints or unions shall be used on traps, waste, vents or back-air pipes. Threaded connections on brass pipe shall be of the same size as pipe threads for the same size of pipe and shall be tapered. Connections between lead and iron shall be made by brass sleeves or screw nipples wiped to the lead and calked or screwed into the iron.

CAST-IRON PIPES, ETC.

Cast-iron pipes shall be uncoated, sound, cylindrical and smooth, free from cracks and other defects, of uniform thickness and of the grade known to commerce as "extra heavy." If buried under ground they shall be coated with asphaltum or red lead.

Pipe including the hub, shall weigh not less than the following average weights per linear foot:

Diameters.	Weights per linear foot.
Two inches	5½ pounds
Three inches	9½ pounds
Four inches	13 pounds
Five inches	17 pounds
Six inches	20 pounds
Seven inches	27 pounds

(not stock in size.)

Eight inches	33 1-3 pounds
Ten inches	45 pounds
Twelve inches	54 pounds

All joints shall be made with picked oakum and molten lead run full, and be made gas tight. No cement joints nor connections between iron and cement or tile pipe or brick drains shall be made within any building.

WROUGHT-IRON PIPE.

Fittings on wrought-iron vent or back-air pipes shall be cast-iron threaded fittings. Fittings for "plumber's tubing" shall be heavy weight, with sharp threads.

DRAIN PIPES, ETC.

Sec. 122. Drain and connecting ventilation pipes, vents and back-air pipes shall be of sufficient size, and made of extra heavy cast-iron pipe if under ground, and if above ground shall be made of extra heavy cast-iron, galvanized wrought iron of standard weight, or brass pipe of not less than No. 13 Stubbs gauge within the building, except that lead pipes may be used for short connections exposed to view; provided that no drain pipe shall be of wrought iron.

Cast-iron drains shall extend not less than ten feet from the inside face of the wall, beyond and away from the building.

Drain pipes above ground shall be secured by irons to walls, suspended from floor timbers by strong iron hangers, or supported on brick piers. Proper manholes shall be supplied to reach cleanouts and traps. Every drain pipe shall have a fall of not less than one-quarter inch per foot, and shall be extended from a point ten feet outside the inside face of the wall, unobstructed, to and through the roof undiminished in size, and to a height not less than two feet above the roof and not less than one foot above the top of any window within fifteen feet, and not less than eight feet above the roof if the roof is used for drying clothes or as a roof garden. Every drain pipe shall be provided with a running trap of a size not less than the internal diameter of the drain with heavy brass clean-out.

Changes in direction shall be made with curved pipes, and all connections with horizontal or vertical pipes shall be made with Y-branches. Saddle hubs shall not be used. All drain pipes shall be exposed to sight within the building, if such exposure is practicable, and shall not be exposed to pressure where they pass through the wall.

STEAM EXHAUSTS, ETC.

No steam, or vapor, or water of a temperature over one hundred and thirty degrees Fahrenheit shall be discharged from any premises into any sewer, drain or catch-basin, nor shall any matter or thing be discharged into any sewer which may tend to cause an obstruction of the public sewer or a nuisance or a deposit therein or any injury thereto.

All high pressure steam boilers shall be connected with a blow-off tank of a capacity not less than thirty per cent. of the largest boiler connected with such tank. The location of and the connections to said blow-off tank shall be subject to the approval of the Superintendent.

No steam exhaust or steam drip, unless it be provided with a cooling tank of a capacity approved by the Superintendent, or unless it be connected with the blow-off tank, shall connect with any drain leading to the sewer. Every blow-off tank shall be supplied with a vapor pipe not less than two inches in diameter, which shall be carried above the roof and above the highest windows of the building.

The Superintendent may require such additional means for cooling the blow-off tanks by the injection of cold water or otherwise as may be necessary to reduce the temperature of the water passing from the blow-off tank so that it shall not exceed one hundred and thirty degrees Fahrenheit.

SPECIAL TRAPS, ETC.

Sec. 123. Every building from which in the opinion of the Superintendent, grease may be discharged in such quantity as to clog or injure the sewer, shall have a special grease trap, satisfactory to the Superintendent. Every building in which gasoline, naphtha or other inflammable compounds are used for business purposes shall be provided with a special trap, satisfactory to the Superintendent, so designed as to prevent the passage of such material into the sewer, and ventilated with a separate pipe rising to a point four feet above the roof. The waste pipe of every wash stand for vehicles shall be provided with a sand box of sufficient capacity.

The waste pipe from the sink of every hotel, eating house, restaurant or other public cooking establishment, shall be connected to a grease trap of sufficient size, easily accessible to open and clean, placed as near as practicable to the fixture that it serves.

ROOF LEADERS AND SURFACE DRAINS.

Sec. 124. Rain water leaders shall not be connected to sewage stack at any point above the basement or cellar ceiling. Wherever a surface drain is installed in a cellar or basement, it shall be provided with a deep seal trap and back water valve. Drain pipes from fixtures in cellars and basement liable to back flow from a sewer shall be supplied with back water valves.

GAS FITTING AND GAS FITTING MATERIALS.

Sec. 125. No pipe or fitting shall be covered or concealed from view until approved by one of the gas inspectors of the building department, or for twenty-four hours after notice has been given to the Superintendent.

No pipe shall be so laid as to support any weight (except fixtures), or be subjected to any strain.

All outlets for fixtures shall be securely fastened to the satisfaction of the Superintendent, all outlets not covered by fixtures shall be left capped, and the number of burners for each outlet shall be marked on the builders plans.

Any pipe laid in a cold or damp place shall be properly dripped and protected.

All swing brackets shall have a globe or guard to prevent its burner from coming in contact with the wall. All bracket outlets shall be at least two inches from window or door casings.

Gas or combination fixtures in all public buildings, theatres and public halls shall be made safe to the satisfaction of the Superintendent.

All stop-pins to keys or cocks or fixtures shall be screwed into place.

The use of gas fitters' cement is prohibited, except in putting fixtures together.

Gas shall not be let on in any building until the work performed has been approved by the Superintendent. Inside services shall be tested by the fitter who receives the permit to connect the service or meter.

There shall be a brass straightway valve on the service-pipe close to the foundation wall, one at the inlet and one at the outlet side of each meter. Iron valves shall not be used.

There shall be a final test, by a gas-fitter, of all fixtures and pipes by two inches of mercury, which must stand five minutes; this test is

to be made in the presence of one of the gas inspectors of the building department; the gauge to be made of glass tubing of uniform interior diameter, and so constructed that both surfaces of the mercury will be exposed.

All gas-pipe shall be of wrought iron, all fittings of malleable iron, and all meter connections of lead pipe of the same size as the fit or riser. Galvanized fittings are prohibited.

Brass solder nipples shall be used on all meter connections.

No riser shall be left more than five feet away from the front foundation wall.

All buildings shall be piped according to the following scale and properly fastened:

Iron pipe,	⅜-in.,	26 feet,	3 burners
Iron pipe,	½-in.,	30 feet,	6 burners
Iron pipe,	¾-in.,	50 feet,	20 burners
Iron pipe,	1 -in.,	70 feet,	35 burners
Iron pipe,	1¼-in.,	100 feet,	60 burners
Iron pipe,	1½-in.,	150 feet,	100 burners
Iron pipe,	2 -in.,	200 feet,	200 burners
Iron pipe,	2½-in.,	300 feet,	300 burners
Iron pipe,	3 -in.,	450 feet,	450 burners
Iron pipe,	3½-in.,	500 feet,	600 burners
Iron pipe,	4 -in.,	600 feet,	750 burners

All outlets and risers shall be left capped or covered with fixtures.

All service pipes in cold or damp places shall be painted with two coats of red lead and boiled oil.

Gas outlets for burners shall not be placed under tanks, back of doors, or within four feet of any meter.

All gas burners less than three feet from ceiling or woodwork shall be protected by a shield.

All brass tubing used for arms or stems of fixtures shall be at least No. 18 standard guage and full size outside so as to cut a full thread. All threads on brass pipe shall screw in at least 5-16 of an inch. All rope or square tubing shall be brazed or soldered into fittings and distributors, or have a nipple brazed into the tubing.

All cast fittings, such as cocks, swing joints, double centres and nozzles shall be standard fittings, except for factory use, where extra heavy or mill fittings shall be used. The plugs of all cocks must be ground to a smooth and true surface for their entire length, be free from sand-holes, have not less than three-quarters inch bearing on all

cast fittings and eleven-sixteenths of an inch on all turned fittings, have two flat sides on the end for the washer and have two nuts instead of a tail-screw. No unions to be used when concealed. Only right and left couplings to be used.

Outlets for gas ranges shall have a diameter not less than that required for six burners and all gas ranges and heaters shall have a straightway valve on the service-pipe.

Pipes in buildings shall be laid above timbers instead of beneath them, where it is possible to do so.

No second-hand gas-pipe shall be put into use in any building without the written permit of the Superintendent.

Drops or outlets less than three-quarters of an inch in diameter shall not be left more than three-quarters of an inch below plastering, centrepiece or woodwork, and other outlets shall not project more than three-quarters of an inch beyond plastering or woodwork.

Fastening boards shall not be cut away to accommodate electric wires. All outlets shall be fastened.

All iron pipes used for piping buildings, all arms, and all items of fixtures, shall be of the kind classed as standard pipe, and shall weigh according to the following table:

	Size.	Pounds per foot.
Iron pipe,	⅛-inch	.24
Iron pipe	¼-inch	.42
Iron pipe,	⅜-inch	.56
Iron pipe,	½-inch	.85
Iron pipe,	¾-inch	1.12
Iron pipe,	1 -inch	1.67
Iron pipe,	1¼-inches	2.24
Iron pipe,	1½-inches	2.68
Iron pipe,	2 inches	3.61
Iron pipe,	2½-inches	5.74
Iron pipe,	3 -inches	7.54
Iron pipe,	3½-inches	9.00
Iron pipe,	4 -inches	10.66

No gas-pipe shall be laid in cement, unless the pipe and channel in which it is placed are covered with tar, nor within six inches of an electric wire.

Wherever spark-lighting or self-lighting burners are used the mercury test shall be applied to the cocks.

All stems of fixtures of two lights or more each, shall be not less than one-quarter of an inch iron pipe size. L-burner cocks shall not be used at the end of chandelier arms.

HAZARDOUS BUILDINGS AND APPLIANCES FOR POWER AND HEAT.

Sec. 126. No building shall be used for a grain elevator, or for the storage or manufacture of high combustibles or explosives or for chemical or rendering works, without a permit from the Superintendent, and no engine or boiler carrying a pressure of over fifteen pounds per inch shall be placed in any building without a permit from the Superintendent. Every application for such permit shall be in writing, shall be filed with the Superintendent, and shall set forth the character of the building, the size, power and purposes of the apparatus, and such other information as the Superintendent may require. The applicant shall publish in at least two newspapers published in the City of Cambridge and, if so directed by the Superintendent, shall also post conspicuously on the premises a copy of the application and shall deliver copies thereof to such persons as the Superintendent may designate.

If no objection is filed with the Superintendent before the expiration of ten days after the time of the first publication of notice, or within ten days of the delivery and first posting of the notice if such delivery or posting is required, the Superintendent shall, if the arrangement, location, and construction of the proposed apparatus is proper, and in accordance with the provisions of this act, issue a permit for the same. If objection is filed, the application shall be referred to the Board of Appeal, which may, in its discretion require the deposit by the objector of a reasonable sum as security for the payment of the costs.

After such notice as the board shall order it shall hear the same, and shall direct the Superintendent to issue a permit, under such conditions as it may prescribe or to withhold the same. If the permit is refused, the applicant, and if it is granted, the objectors, shall pay such costs as the board may order.

The Superintendent shall from time to time, after public notice and hearing, prescribe conditions on which any or all boilers carrying a pressure of over fifteen pounds per inch may be maintained in buildings, and, if any person interested objects to such conditions and appeals from his decision establishing the same, the appeal shall be

referred to the Board of Appeal and thereupon said board shall prescribe the conditions.

COMBUSTIBLE MATERIALS.

Sec. 127. No building in actual use for habitation, nor any part thereof, nor the lot upon which it is situated, shall be used as a place for storage, keeping or handling of any combustible article, nor as a place for the storage, keeping or handling of any article dangerous or detrimental to life or health, nor for the storage, keeping or handling of feed, hay, straw, excelsior, cotton, paper stock, feathers or rags, except under such conditions as may be prescribed by the Chief of the Fire Department.

Sec. 128. Any notice required by this ordinance shall be sufficient if mailed postage prepaid to the address of the interested party or parties given in the application filed by them, or subsequently changed by notice in writing to the Superintendent.

REPEALS.

Sec. 129. So much of any other act or ordinance of the City of Cambridge as is inconsistent herewith is hereby repealed.

Sec. 130. This ordinance shall take effect upon the first day of March, in the year nineteen hundred and eight.

[*Approved January 2,* 1908.

REGULATIONS OF BOARD OF ALDERMEN, MARCH 25, 1907, TO APRIL 1, 1908.

In Board of Aldermen, April 16, 1907.

Ordered, That the standing regulation of the Board of Aldermen, with reference to the dealers and collectors in junk, old metals, second-hand articles and rags, be and hereby is amended by striking out the whole of said regulation and inserting in place thereof the following:

JUNK, OLD METALS, SECOND-HAND ARTICLES AND RAGS.

Section 1. The Chief of Police, the Deputy Chief of Police, and any police officer, shall at all times have authority to inspect and examine all books kept by keepers of shops for the purchase, storage, sale or barter of junk, old metals or second-hand articles, or rags, as well as to inspect and examine any such shop and all articles and merchandise therein, or any vehicle used in the collection of any of the aforesaid articles.

Sec. 2. Every license to a collector and dealer in, or keeper of a shop for the purchase, storage, sale or barter of junk, old metals and second-hand articles, and to every collector and dealer in rags in this city, shall contain the requirements of the ordinances and regulations applicable thereto, and shall also contain, with reference to the license issued to collectors and dealers in junk, old metals, second-hand articles and rags, the further provision that each such collector and dealer shall, in addition to his license, receive from the City Clerk a badge for which he shall pay the sum of fifty cents (50c.).

Sec. 3. While engaged in the collection of junk, old metals, second-hand articles or rags, every person so licensed shall wear in plain sight a badge with the appropriate words and number thereon, and shall, upon the request of any police officer, exhibit his license for inspection.

Sec. 4. Every vehicle used in collecting, transporting or delivering any junk, old metals, second-hand articles or rags, shall have the name of the owner and the number of his license placed upon the out-

side of each side thereof, in plain, legible letters of not less than one and one-half inches in height, so that they may be distinctly seen.

[*Approved April* 18, 1907.

In Board of Aldermen, April 30, 1907.

Ordered, That the standing regulations of the Board of Aldermen entitled "Use of Streets by Vehicles," be amended as follows:—

In Section 4 thereof by changing the period at the end of said Section to a comma, and by adding the following words: "and no license as aforesaid shall be issued to any minor."

As amended the Section will read as follows: Section 4. No person shall set up and use or have charge of any hackney carriage which shall be used within the City of Cambridge for the conveyance of persons for hire from place to place within the city unless he is licensed thereto by the Board of Aldermen, nor unless the carriage is licensed, marked and numbered as provided in Sections 1 and 2, and carries its license as provided in Section 3, and no license as aforesaid shall be issued to any minor.

[*Approved* May 31, 1907.

In Board of Aldermen, September 10, 1907.

Ordered, That the Standing Regulations of the Board of Aldermen wit hreference to "Pawnbrokers" be amended as follows:

In Rule 5, by adding after the word "loan" in the third line, the words "or purchase"; also by striking out the word "or" where it first occurs in the fifth line, and by inserting in place thereof a comma; also by adding after the word "pledged" in the fifth line the words "or purchased"; also by adding after the word "loan" in the sixth line the words "or paid"; by adding after the word "pledged" in the seventh line the words "or pledging"; by striking out the word "or" where it first occurs in the tenth line and inserting in place thereof a comma, and by adding after the word "pledging" in said line the words "or selling."

Rule 7. By striking out the word "or" in the second line and inserting in place thereof a comma, and by inserting after the word "pledge" in said line the words "or sold."

Rule 10. By adding after the word "pledged" in the second line the words "or purchase."

As amended, the aforesaid rules will read as follows:

Rule 5. Every pawnbroker shall keep at his place of business a book in which shall be legibly written in the English language at the time of making every such loan or purchase a minute and accurate account and description of the goods, articles or things pawned, pledged or purchased, particularly mentioning any prominent or descriptive marks on the same, the amount of money loaned or paid thereon, the day and hour of pledging or purchasing the same, the rate of interest to be paid on such loan, with the name, age and residence, giving street and number when possible, of the person pawning, pledging or selling such goods, articles or things. No entry in said book shall be changed, erased, obliterated or defaced.

Rule 7. Said book mentioned in Rule 5 and the premises at which the business is carried on, all things pawned, pledged or sold and stored therein shall at all reasonable times be opened to the full inspection of the Mayor, Chief, Deputy Chief, Captains, Chief Inspector of Police, any member of the district police, or any person who shall be duly authorized in writing for that purpose by any or either of them, upon exhibiting such written authority to the pawnbroker.

Rule 10. No such pawnbroker shall directly or indirectly receive any article in pawn or pledge, or purchase of any minor, knowing, or having reasonable cause to believe him to be such, without the consent in writing of the parent or guardian of such minor.

[*Approved September* 18, 1907.

MAYORS OF THE CITY OF CAMBRIDGE.

(From 1846 to 1908 Inclusive.)

James D. Green	From May,	1846,	to April,	1848
Sydney Willard	" April,	1848,	to April,	1851
George Stevens	" April,	1851,	to April,	1853
James D .Green	" April,	1853,	to April,	1854
*Abraham Edwards	" April,	1854,	to January,	1855
Zebina L. Raymond	" January,	1855,	to January,	1856
John Sargent	" January,	1856,	to January,	1860
†James D. Green	" January,	1860,	to July 24,	1861
‡Charles Theo. Russell.	" July 31,	1861,	to January,	1863
George C. Richardson	" January,	1863,	to January,	1864
Zebina L. Raymond	" January,	1864,	to January,	1865
J. Warren Merrill	" January,	1865,	to January,	1867
Ezra Parmenter	" January,	1867,	to January,	1868
Charles H. Saunders	" January,	1868,	to January,	1870
Hamlin R. Harding	" January,	1870,	to January,	1872
Henry O. Houghton	" January,	1872,	to January,	1873
Isaac Bradford	" January,	1873,	to January,	1877
Frank A. Allen	" January,	1877,	to January,	1878
Samuel L. Montague	" January,	1878,	to January,	1880
James M. W. Hall	" January,	1880,	to January,	1881
James A. Fox	" January,	1881,	to January,	1885
William E. Russell	" January,	1885,	to January,	1889
Henry H. Gilmore	" January,	1889,	to January,	1891
Alpheus B. Alger	" January,	1891,	to January,	1893
William A. Bancroft	" January,	1893,	to January,	1897
Alvin F. Sortwell	" January,	1897,	to January,	1899
Edgar R. Champlin	" January,	1899,	to January,	1901
David T. Dickinson	" January,	1901,	to January,	1902
John H. H. McNamee	" January,	1902,	to January,	1904
Augustine J. Daly	" January,	1904,	to January,	1906
Charles H. Thurston	" January,	1906,	to January,	1907
Walter C. Wardwell	" January,	1907.		

* Municipal year changed. † Resigned. ‡ First elected by the City Council.

PRESIDENTS OF THE BOARD OF ALDERMEN.

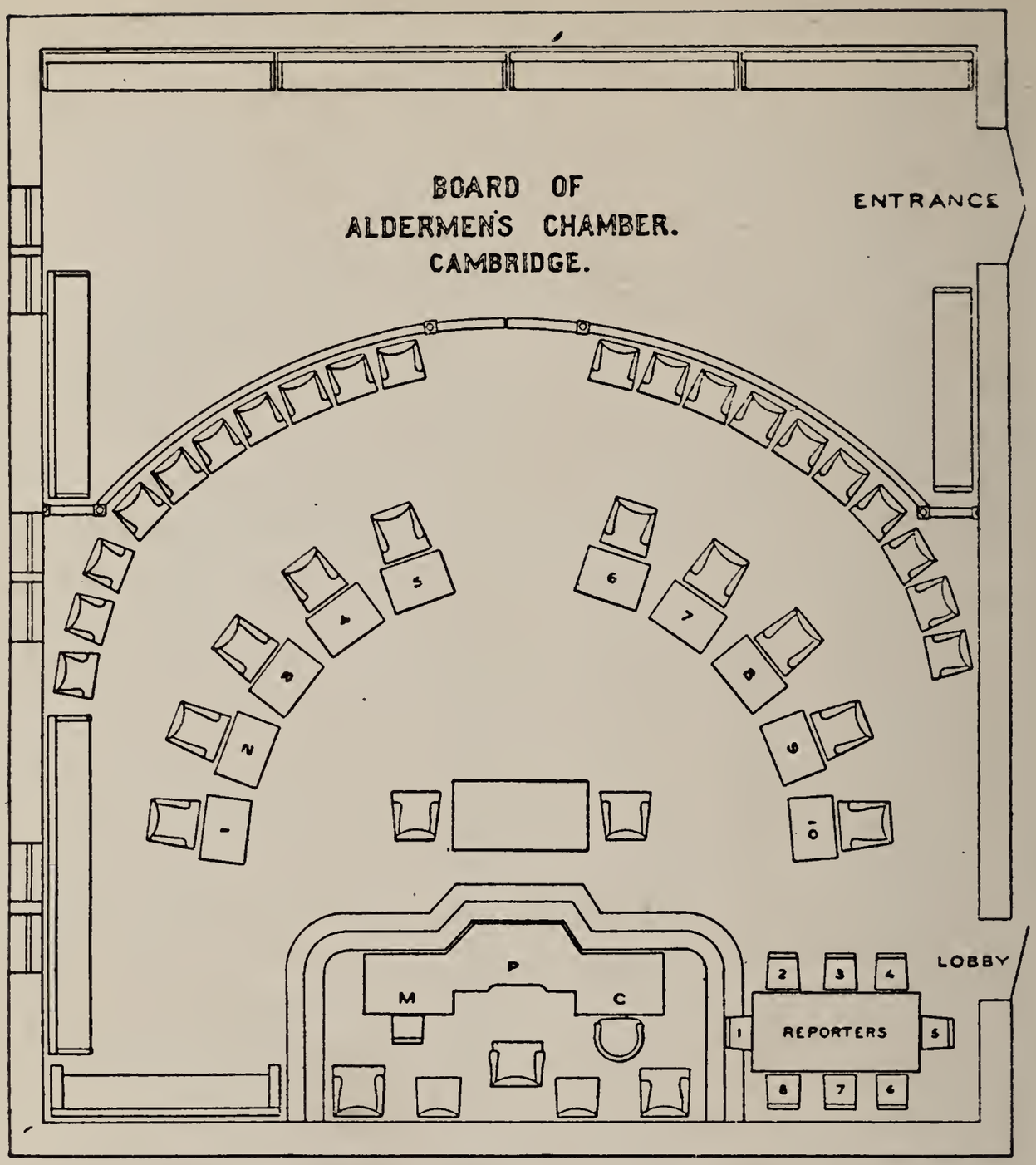
1888	Edward W. Hincks.
1889	John H. Corcoran.
1890	Alvin F. Sortwell.
1891	William A. Bancroft.
1892	William A. Bancroft.
1893	John R. Fairbairn.
1894	John G. Thorogood.
1895	John R. Fairbairn.
1896	John R. Fairbairn.
1897	Russell Bradford.
1898	Russell Bradford.
1899	Walter C. Wardwell
1900	Walter C. Wardwell
1901	George E. Saunders.
1902	James F. Aylward.
1903	*John W. Coveney. / Timothy W. Good.
1904	John W. Coveney.
1905	J. Edward Barry.
1906	Charles H. Lake
1907	Charles H. Lake

* John W. Coveney resigned March 10, 1903 and Timothy Good elected to the vacancy.

PRESIDENTS OF THE COMMON COUNCIL.

1846 Isaac Livermore.
1847 John Sargent.
1848 John C. Dodge.
1849 Samuel P. Heywood.
1850 Samuel P. Heywood.
1851 John S. Ladd.
1852 John Sargent.
1853 John Sargent.
1854 John C. Dodge.
1855 Alanson Bigelow.
1856 Ezra Ripley. Resigned January 31.
1856. George S. Saunders. Elected January 31.
1857 George S. Saunders.
1858 James C. Fisk.
1859 James C. Fisk.
1860 Hamlin R. Harding.
1861 Hamlin R. Harding.
1862 Jared Shepard. Resigned September 17.
1862 Knowlton S. Chaffee. Elected September 24.
1863 George S. Saunders.
1864 George S. Saunders.
1865 John S. March.
1866 John S. March.
1867 Marshall T. Bigelow.
1868 Knowlton S. Chaffee. Resigned February 4.
1868 Henry W. Muzzey. Elected February 4.
1869 Henry W. Muzzey.
1870 Joseph H. Converse.
1871 Joseph H. Converse.
1872 Alvaro Blodgett.
1873 Alvaro Blodgett. Resigned June 17.
1873 Francis H. Whitman. Elected June 17.
1874 George F. Piper.
1875 George F. Piper.
1876 Frank A. Allen.
1877 Perez G. Porter.
1878 George S. Saunders.
1879 George S. Saunders.
1880 Charles Walker.
1881 Charles Walker.
1882 George H. Howard.
1883 George H. Howard.
1884 George H. Howard.
1885 Cornelius G. H. Bennink.
1886 John H. Corcoran.
1887 John H. Corcoran.
1888 Alvin F. Sortwell.
1889 Edward A. Bingham.
1890 Edward A. Bingham.
1891 Edward C. Wheeler.
1892 Herbert A. Chase.
1893 J. Henry Russell.
1894 Charles M. Conant.
1895 John L. Odiorne.
1896 John L. Odiorne.
1897 Albert S. Apsey.
1898 George E. Saunders.
1899 William F. Brooks.
1900 John D. Merrill.
1901 John D. Merrill.
1902 Thorndike Spalding.
1903 Edward E. Clark.
1904 Harry N. Stearns.
1905 George A. Giles.
1906 George A. Giles.
1907 *Henry C. Stetson.
1907 †Robert W. Hunter.
1908 Henry J. Winslow.

*Deceased.
†Elected to fill vacancy.



KEY TO BOARD OF ALDERMEN'S CHAMBER CAMBRIDGE, 1908

P — Edward B. James, *President.*

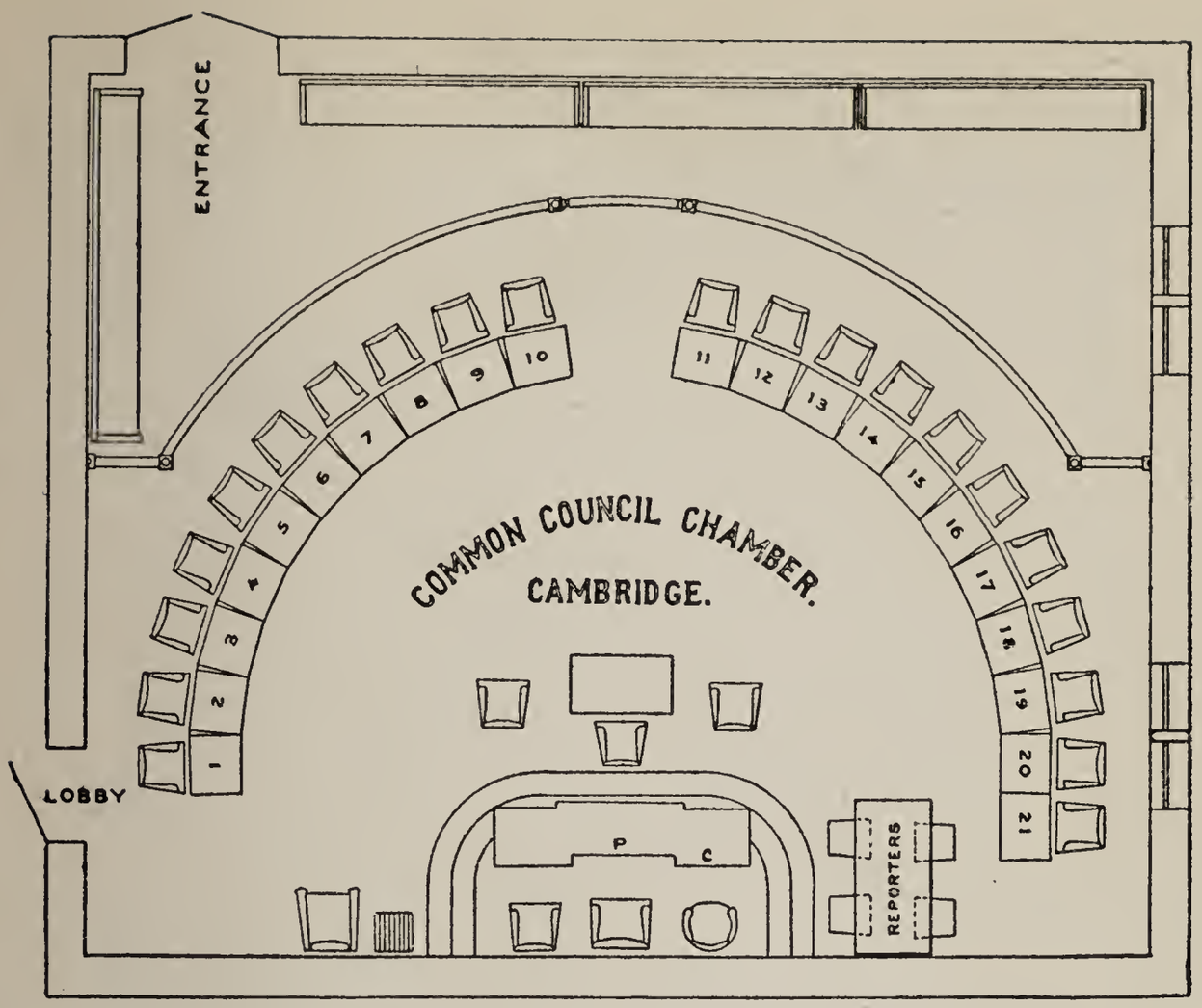
1. Alderman Beale.
2. " Blanchard.
3. " Crane.
4. " Deitrick.
5. " Corkery.
6. Alderman Barry.
7. " Burke.
8. " Brennan.
9. " Casey.
10. " Downey.

C — Edward J. Brandon, *City Clerk.*

M — Frank T. Evans, *City Messenger.*

Reporters.

1. John B. Whoriskey, Boston Globe.
2. J. Lee Robinson, Cambridge Tribune.
3. Owen Flanders, Boston Journal.
4. Russell Wood, Boston Post.
5. Henry J. Mahoney, Cambridge Sentinel.
6. Ralph R. Stratton, Boston Herald.
7. Louis F. Conant, Boston Advertiser, Record
8. James W. Bean, Cambridge Chronicle.



KEY TO COMMON COUNCIL CHAMBER
CAMBRIDGE, 1908

P — Henry J. Winslow, *President.*

1.	Councilman	O'Connell.	11.	Councilman	Higgins.
2.	"	Murphy.	12.	"	Lawson.
3.	"	Sheahan.	13.	"	Beane.
4.	"	Ryan.	14.	"	Moreland.
5.	"	Mullen.	15.	"	Chandler.
6.	"	Nelligan.	16.	"	O'Neil.
7.	"	Horan.	17.	"	Quinn.
8.	"	Lincoln.	18.	"	Sharples.
9.	"	Linnell.	19.	"	Bolster,
10.	"	Dodge.	20.	"	Conant.

21. Councilman Carruth.

C — Edward A. Counihan, *Clerk.* William E. McAnaul, *Page.*

Reporters.

Philip R. Ammidon, Cambridge Chronicle. Daniel J. Toomey, Cambridge Sentinel.

Archibald C. Gove, Cambridge Tribune.

GOVERNMENT OF THE CITY OF CAMBRIDGE, 1908.

Mayor

WALTER C. WARDWELL, 465 Broadway.

Board of Aldermen

President,

EDWARD B. JAMES.

J. Edward Barry	347 Broadway	Ward 5
Joseph H. Beale, Jr.	29 Chauncey Street	" 9
Marshall F. Blanchard	159 Upland Road	" 10
John P. Brennan	24 DeWolf Street	" 8
Nicholas F. Burke	55 Upland Road	" 10
Joseph M. Casey	5 Cedar Square	" 11
Jeremiah Corkery	88 Putnam Avenue	" 7
Russell D. Crane	162 Lakeview Avenue	" 9
Frederick S. Deitrick	1664 Mass. Avenue	" 10
Jeremiah F. Downey	200 Elm Street	" 3
Edward B. James	1640 Cambridge Street	" 8

Clerk,

EDWARD J. BRANDON.

Messenger,

FRANK T. EVANS.

Regular meetings on Tuesday evenings at 8 o'clock.

Common Council

President,

HENRY J. WINSLOW

Arthur E. Beane	50 Mt. Vernon Street	Ward 10
Percy N. Bolster	28 Banks Street	" 8
Charles E. Carruth, 2d	9 Laurel Street	" 7
Albert M. Chandler	269 Harvard Street	" 5
Louis F. Conant	22 Traymore Street	" 10
Winslow Herbert Dodge	132 Columbia Street	" 4
Richard F. Higgins	40 Inman Street	" 5
Timothy J. Horan	73 Montgomery Street	" 11
John V. W. Lawson	176 Pleasant Street	" 7
Frederick A. Lincoln	22 Lake Street	" 6
Irving N. Linnell	92 Wendell Street	" 8
Jesse W. Moreland	159 Mt. Auburn Street	" 9
Hugh E. Mullen	104 Thorndike Street	" 2
Charles F. Murphy	43 Harding Street	" 3
Peter J. Nelligan	22 Hollis Street	" 11
Daniel F. O'Connell	223 Vine Street	" 1
Robert H. O'Neil	6 Lamson Place	" 4
John E. Quinn	69 Thorndike Street	" 1
Thomas Ryan	141 Thorndike Street	" 2
Philip P. Sharples	22 Concord Avenue	" 9
Daniel D. Sheahan	9A Plymouth Street	" 3
Henry J. Winslow	152 Magazine Street	" 6

Clerk,

Edward A. Counihan.

Page,

William E. McAnaul.

Regular meetings on Tuesday evening at 8 o'clock.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL

Accounts. Aldermen Beale and Casey; Councilmen O'Connell, Conant and Horan.

Assessors' Department. Aldermen Burke and Corkery; Councilmen Mullen and Nelligan.

City Engineering. Aldermen Casey and Brennan; Councilmen Murphy, Carruth and Horan.

City Home. Aldermen Burke and Blanchard; Councilmen Lincoln, Quinn and O'Neil.

Claims. President James, Aldermen Deitrick, Burke and Brennan; President Winslow, Councilmen Lincoln, Conant, Chandler, Linnell and Carruth.

Finance. President James, Aldermen Downey, Barry and Beale; President Winslow, Councilmen Lawson, Dodge, Moreland, Beane and Higgins.

Fire Department. Aldermen Burke and Crane; Councilmen Lincoln, Murphy and Moreland.

Health. Aldermen Blanchard and Burke; Councilmen Sharples, Linnell and Horan.

Highways. Aldermen Deitrick, Downey and Blanchard; Councilmen Dodge, Higgins, Bolster and Ryan.

Legal Matters. Aldermen Beale and Deitrick; Councilmen Beane, Chandler and Quinn.

Legislative Matters. President James, Aldermen Barry, Beale and Downey; President Winslow, Councilmen Sharples, Lawson, Sheahan, Nelligan and O'Neil.

Ordinances Aldermen Downey and Beale; Councilmen Lincoln, Linnell and Chandler.

Parks. Aldermen Barry and Corkery; Councilmen Sharples, Linnell and Sheahan.

Printing. Aldermen Corkery and Brennan; Councilmen Moreland, Ryan and Sheahan.

Public Property. Aldermen Deitrick and Crane; Councilmen Beane, Lawson and O'Connell.

Public Instruction. Aldermen Brennan and Beale; Councilmen Beane, Nelligan and Linnell.

Rules and Orders. Aldermen Downey and Deitrick; Councilmen Moreland, Beane and O'Neil.

Water Supply. President James, Aldermen Crane; Councilmen Sharples, Horan and Higgins.

Wires and Lamps. Aldermen Casey and Corkery; Councilmen Bolster, Carruth and Mullen.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

Bonds. Aldermen Blanchard, Casey and Brennan.

Cemeteries. Aldermen Corkery, Barry and Brennan.

Claims. President James, Aldermen Deitrick, Burke and Brennan.

Elections and Returns. Aldermen Barry, Beale and Brennan.

Fire Department. Aldermen Burke, Crane and Corkery.

Health. Aldermen Blanchard, Burke and Casey.

Highways. Aldermen Deitrick, Downey and Blanchard.

Licenses. Aldermen Crane, Downey and Deitrick.

Parks. Aldermen Barry, Corkery and Brennan.

Police. President James, Aldermen Downey and Deitrick.

Rules and Orders. Aldermen Downey, Deitrick and Blanchard.

Sewers. Aldermen Casey, Blanchard and Corkery.

Soldiers' Aid. President James, Aldermen Downey, Burke, Deitrick and Casey.

Street Railways. Aldermen Blanchard, Barry and Brennan.

JOINT SPECIAL COMMITTEES.

Matters Referred from Last City Council. Aldermen Beale and Deitrick; Councilmen Conant, Bolster, Carruth, Chandler, Horan and O'Neil.

Mayor's Inaugural Address. Aldermen Crane, Casey and Burke; Councilmen Bolster, Lincoln and Nelligan.

Amendments to City Charter. Aldermen Beale, James, Downey and Corkery; President Winslow, Councilmen Higgins, Beane, Lawson, Lincoln and Sharples.

Rapid Transit President James, Aldermen Downey and Crane; President Winslow, Councilmen Lawson, Dodge and O'Connell.

SPECIAL COMMITTEES OF THE BOARD OF ALDERMEN.

Matters Referred from Last Board of Aldermen. Aldermen Beale, Deitrick and Downey.

STANDING COMMITTEES OF THE COMMON COUNCIL.

Bills in Second Reading. Councilmen Dodge, Quinn and Ryan.

Elections and Returns. Councilmen Mullen, Sheahan and Conant.

Enrolled Ordinances. Councilmen Moreland, Conant and Murphy.

COMMITTEE APPOINTMENTS OF MEMBERS OF BOARD OF ALDERMEN.

President James. Claims (Joint and of Aldermen), Finance, Legislative Matters, Water Supply, Police, Soldiers' Aid, Amendments to City Charter, Rapid Transit.

Alderman Barry. Finance, Legislative Matters, Parks (Joint and of Aldermen), Cemeteries, Elections and Returns, Street Railways.

Alderman Beale. Accounts, Finance, Legal Matters, Legislative Matters, Ordinances, Public Instruction, Elections and Returns, Matters Referred (Joint and of Aldermen), Amendments to City Charter.

Alderman Blanchard. City Home, Health (Joint and of Aldermen), Highways (Joint and of Aldermen), Bonds, Rules and Orders (of Aldermen), Sewers, Street Railways.

Alderman Brennan. City Engineering, Claims (Joint and of Aldermen), Printing, Public Instruction, Bonds, Cemeteries, Elections and Returns, Parks (of Aldermen), Street Railways.

Alderman Burke. Assessors' Department, City Home, Claims (Joint and of Aldermen), Fire Department (Joint and of Aldermen), Health (Joint and of Aldermen), Soldiers' Aid, Mayor's Inaugural Address.

Alderman Casey. Accounts, City Engineering, Wires and Lamps, Bonds, Health (of Aldermen), Sewers, Soldiers' Aid, Mayor's Inaugural Address.

Alderman Corkery. Assessors' Department, Parks (Joint and of Aldermen), Printing, Wires and Lamps, Cemeteries, Fire Department (of Aldermen), Sewers, Amendments of City Charter.

Alderman Crane. Fire Department (Joint and of Aldermen), Public Property, Water Supply, Licenses, Mayor's Inaugural Address, Rapid Transit.

Alderman Deitrick. Claims (Joint and of Aldermen), Highways (Joint and of Aldermen), Legal Matters, Public Property, Rules and Orders (Joint and of Aldermen), Licenses, Police, Soldiers' Aid, Matters Referred (Joint and of Aldermen).

Alderman Downey. Finance, Highways (Joint and of Aldermen), Legislative Matters, Ordinances, Rules and Orders (Joint and of Aldermen), Licenses, Police, Soldiers' Aid, Matters Referred (of Aldermen), Amendments to City Charter, Rapid Transit.

COMMITTEE APPOINTMENTS OF MEMBERS OF THE COMMON COUNCIL.

Councilman Beane. Finance, Legal Matters, Public Property, Public Instruction, Rules and Orders, Amendments to City Charter.

Councilman Bolster. Highways, Wires and Lamps, Matters Referred, Mayor's Inaugural Address.

Councilman Carruth. City Engineering, Claims, Wires and Lamps, Matters Referred.

Councilman Chandler. Claims, Ordinances, Legal Matters, Matters Referred.

Councilman Conant. Accounts, Claims, Matters Referred, Elections and Returns, Enrolled Ordinances.

Councilman Dodge. Finance, Highways, Rapid Transit, Rules in Second Reading.

Councilman Higgins Finance, Highways, Water Supply, Amendments to City Charter.

Councilman Horan. Accounts, City Engineering, Health, Water Supply, Matters Referred.

Councilman Lawson. Finance, Legislative Matters, Public Property, Amendments to City Charter, Rapid Transit.

Councilman Lincoln. City Home, Claims, Fire Department, Ordinances, Mayor's Inaugural Address, Amendments to City Charter.

Councilman Linnell. Claims, Health, Ordinances, Parks, Public Instruction.

Councilman Morcland. Finance, Fire Department, Printing, Rules and Orders, Enrolled Ordinances.

Councilman Mullen. Assessors' Department, Wires and Lamps, Election and Returns.

Councilman Murphy. City Engineering, Fire Department, Enrolled Ordinances.

Councilman Nelligan. Assessors' Department, Legislative Matters, Public Instruction, Mayor's Inaugural Address.

Councilman O'Connell. Accounts, Public Property, Rapid Transit.

Councilman O'Neil. City Home, Legislative Matters, Rules and Orders, Matters Referred.

Councilman Quinn City Home, Legal Matters, Bills in Second Reading.

Councilman Ryan. Highways, Printing, Bills in Second Reading.

Councilman Sharples. Health, Legislative Matters, Parks, Water Supply, Amendments to City Charter.

Councilman Sheahan. Legislative Matters, Parks, Printing, Elections and Returns.

President Winslow. Claims, Finance, Legislative Matters, Amendments to City Charter, Rapid Transit.

DEPARTMENTS AND BOARDS

EXECUTIVE DEPARTMENT.

WALTER C. WARDWELL . . . . . *Mayor.*
Edward A. Counihan . . . . *Mayor's Clerk.*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 17 and 18, City Hall. Telephone 463.

CITY CLERK DEPARTMENT.

EDWARD J. BRANDON . . . . . *City Clerk.*
Albert M. Pear . . . . . *Assistant City Clerk.*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 8 and 9, City Hall. Telephone 419.

TREASURY DEPARTMENT.

WILLIAM W. DALLINGER *City Treasurer and Collector of Taxes*
Office Hours: 8 A. M to 2 P. M.
Office, Rooms 3 and 4, City Hall. Telephone 602.

AUDITING DEPARTMENT.

HARRY T. UPHAM . . . . . *City Auditor.*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 1 and 2, City Hall. Telephone 1001.

CLERK OF COMMITTEES DEPARTMENT.

JOHN MCDUFFIE . . . . . *Clerk of Committees.*
Eben W. Pike . . . . . *Assistant.*
Office Hours: 8 A. M. to 4 P. M.
Office, Room 16, City Hall. Telephone 818.

CITY MESSENGER DEPARTMENT.

FRANK T. EVANS . . . . . *City Messenger.*
William E. McAnaul . . . . *Assistant.*
Office Hours: 8 A. M. to 5 P. M.
Office, Room 20, City Hall. Telephone 1900.

LAW DEPARTMENT.

GILBERT A. A. PEVEY . . . . . *City Solicitor.*
Office Hours (at City Hall): 8 A. M. to 12 M.
Office, Room 17, City Hall. Telephone 463.
Boston Office, 22 Pemberton Square. Telephone 1071 Haymarket.

ENGINEERING DEPARTMENT.

LEWIS M. HASTINGS . . . . . *City Engineer.*
Theodore L. Pike . . . . . *Supt. of Sewers.*
Office Hours: 8 A. M. to 5 P. M.
Office, Rooms 30 and 31, City Hall. Telephone 471.

FIRE DEPARTMENT.

NATHANIEL W. BUNKER . . . . . *Chief.*
James M. Casey . . . . . *Assistant Chief.*
Office Hours: 9 to 10 A. M.
Office, Room 28, City Hall. Telephones 125 and 1900.

INSPECTION, ETC., OF BUILDINGS DEPARTMENT.

THOMAS F. TRACY,
Superintendent of Public Buildings and Inspector of Buildings.
Office Hours: 8 A. M. to 4 P. M.
Office, Room 28, City Hall. Telephone 125.

HEALTH DEPARTMENT—BOARD OF HEALTH.

CHARLES H. THOMAS, M.D. . . . *Chairman.*
Term, three years.
J. PORTER RUSSELL . . . . . Term expires 1909.
CHARLES H. THOMAS, M. D. . . . Term expires 1910.
ELIE H. LAPIERRE . . . . . Term expires 1911.
ISABELLE C. MELVILLE . . . . *Secretary.*
JAMES B. SOPER . . . . . *Clerk.*
EDWIN FARNHAM, M.D. . . . . *Physician to the Board*
ALBERT P. NORRIS, M.D. . . . *Medical Inspector,*
JOSEPH L. JOHNSON . . . . *Inspector of Provisions.*
Office Hours: 8 A. M. to 4 P. M.
Rooms 25 tnd 26, City Hall. Telephone 345.

POLICE DEPARTMENT.

FRED B. PULLEN . . . . . *Chief of Police.*

Office Hours: 8 A. M. to 6 P. M.

Office at Central Square Building. Telephone 423.

STREET DEPARTMENT.

GEORGE M. CLUKAS . . . . . *Supt. of Streets.*

*Henry P. Fielding
†John H. Holt } . . . . *Clerk.*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 12, City Hall. Telephone 435.

*Resigned Feb. 12, 1908.
†Appointed Feb. 13, 1908.

INSPECTOR OF MILK.

ERNEST H. SPARROW, M. D. . . . *Inspector of Milk.*

Office Hours: 8 to 11 A. M.

Office, Room 27, City Hall. Telephone 345.

ASSESSORS' DEPARTMENT—BOARD OF ASSESSORS.

Term, three years.

TIMOTHY W. GOOD, *Secretary* . . . Term expires 1908.
JEREMIAH F. DONOVAN . . . . Term expires 1909.
DANIEL B. SHAUGHNESSY, *Chairman* . . Term expires 1910.

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 21 and 22, City Hall. Telephone 244.

CITY ELECTRICAL DEPARTMENT.

TIMOTHY C. O'HEARN . . . . *City Electrician.*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 28, City Hall. Telephone 125.

Central Fire Alarm Office, Telephone 363.

INSPECTION OF ANIMALS DEPARTMENT.

CHARLES E. HADCOCK, M.D.V. . . *Inspector of Animals.*

Residence, 25 Dana Street. Telephone 662.

(No office or hours.)

BRIDGE DEPARTMENT.

WILLIAM H. JOYCE . . . . . *Bridge Commissioner.*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 12, City Hall. Telephone 435.

SEALER OF WEIGHTS AND MEASURES DEPARTMENT.

FELIX C. MCBRIDE . . . . . *Sealer.*

John C. Connors . . . . . *Deputy Sealer.*

Emery T. Morris . . . . *Deputy Sealer.*

Office Hours: Fridays, 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Office, Brattle Square Building. Telephone 509-1.

CITY PHYSICIAN.

WILLIAM G. BROUSSEAU.

Residence, 2222 Massachusetts Avenue. Telephone 1285.

Office, Central Square Building.

Office Hours: daily, 9 to 11 A. M. Telephone 660.

FENCE VIEWERS.

Lewis M. Hastings . . . . . City Hall.

Thomas F. Tracy . . . . . City Hall.

Telephones 471, 125.

SCHOOL COMMITTEE.

WALTER C. WARDWELL, Mayor . . *Chairman, ex-officio.*

Term ending 1908.

Warren P. Adams . . . . . Ward 8

John E. Somers . . . . . Ward 11

Ada R. Kinsman . . . . . Ward 6

Joseph E. Sharkey . . . . . Ward 3

Edwin L. Cheney . . . . . Ward 4

Term ending 1909.

Carolyn P. Chase . . . . . Ward 10

Edward A. Counihan, Jr. . . . . Ward 2

William Taggard Piper . . . . . Ward 9

J. Henry Russell . . . . . Ward 5

James A. Lew . . . . . Ward 7

Term ending in 1910.

George W. Bicknell	Ward 5
Sherman R. Lancaster	Ward 7
Frank E. Sands	Ward 10
Lawrence G. Brooks	Ward 8
Robert Walker	Ward 1

Secretary and School Supply Agent.
SANFORD B. HUBBARD.

Superintendent of Schools.
WILLIAM C. BATES.

Office Hours: 8.30 A. M. to 5. P. M.
Office, Rooms 13, 14 and 15, City Hall. Telephone 445.

NOTE. Under the provisions of Ch. 566, Acts of 1907, the terms of all foregoing members shall cease upon the election and qualification of the members of the School Committee chosen at the municipal election in March, 1909.

CEMETERY DEPARTMENT—CEMETERY COMMISSIONERS.

JOHN LYNCH	*Chairman.*
Term, three years.	
John S. Clary	Term expires 1909.
John Lynch	Term expires 1909.
William A. Bertsch	Term expires 1910.
Gustave Wilson	Term expires 1910.
David A. Barber	Term expires 1911.
Roswell Wetherbee	Term expires 1911.

EDWARD J. BRANDON	*Clerk of the Board.*

Office, Rooms 8 and 9, City Hall. Telephone 419.

GEORGE D. FORD	*Supt. of Cemetery.*
JOHN J. MCKENZIE	*Clerk of Cemetery.*
JOHN MCCARTHY	*Foreman.*

Office Hours: at Cemetery, 8 A. M. to 5 P. M.
Office at Cemetery on Coolidge Avenue. Telephone 289-3.

PERSON TO CAUSE TO BE PROPERLY INTERRED THE BODIES OF SOLDIERS AND SAILORS.

EBEN W. PIKE.
Office, Room 16, City Hall. Telephone 818.

PUBLIC LIBRARY DEPARTMENT—TRUSTEES OF CAMBRIDGE PUBLIC LIBRARY.

Eugene A. McCarthy . . . . *President.*

For one year.

William Taggard Piper of School Committee.

Citizens at large. Term, three years.

John Buckley	Term expires 1909.
Edward P. Collier	Term expires 1909.
William J. Rolfe	Term expires 1910.
Edward C. Wheeler	Term expires 1910.
Albert M. Barnes	Term expires 1911.
Eugene A. McCarthy	Term expires 1911.
William Taggard Piper	*Treasurer.*
Clarence W. Ayer	*Sec'y and Librarian.*

Library Open: 10 A. M. to 8 P. M.

Reading Room: 10 A. M. to 10 P. M.

Sunday, 2 to 10 P. M.

Office at Library Building, Broadway, Irving and Trowbridge streets. Telephone 610.

WATER WORKS DEPARTMENT—CAMBRIDGE WATER BOARD.

ALVIN F. SORTWELL . . . . *President.*

Term, five years.

John F. O'Brien	Term expires 1908.
Augustus W. Dudley	Term expires 1909.
George H. Howard	Term expires 1910.
Alvin F. Sortwell	Term expires 1911.
Andrew J. Rady	Term expires 1912.

Walter H. Harding	*Clerk of the Board.*
Edwin C. Brooks	*Supt. of Water Works*
Walter H. Harding	*Water Registrar.*

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 5 and 6, City Hall. Telephone 430.

REGISTRARS OF VOTERS.

FREDERICK W. MACDONALD . . . *Chairman.*

Term, four years.

John P. McCormick	Term expires 1908.

Isaac S. Pear	Term expires 1909.
Frederick W. Macdonald	Term expires 1910.
George W. Turnbull	Term expires 1911.
Isaac S. Pear	*Clerk.*

Office at Central Square Building. Telephone 1027-3.

PARK DEPARTMENT—PARK COMMISSIONERS.

George Howland Cox	*President.*

Term, three years.

William M. Wadden	Term expires 1908.
Charles S. Cahill	Term expires 1909.
George Howland Cox	Term expires 1910.
Charles S. Cahill	*Secretary.*
John F. Donnelly	*General Supt.*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 11, City Hall. Telephone 650.

SINKING FUND DEPARTMENT—COMMISSIONERS OF THE SINKING FUND.

Frank A. Allen	*Chairman.*

Term, three years.

Gustavus Goepper	Term expires 1908.
George H. Howard	Term expires 1908.
Austin Ford	Term expires 1909.
George G. Wright	Term expires 1909.
Frank A. Allen	Term expires 1910.
Thomas F. Royle	Term expires 1910.
John McDuffie	*Secretary.*
William W. Dallinger	*Treasurer.*

OVERSEERS OF THE POOR DEPARTMENT—OVERSEERS OF THE POOR.

Henry H. Winslow	Chairman.

Term, five years.

James F. Mullen	Term expires 1908.
Patrick Crowley	Term expires 1909.
John R. McCool	Term expires 1910.
Henry H. Winslow	Term expires 1911.
Patrick J. Callaghan	Term expires 1912.

David P. Muzzey . . . . . *Secretary.*
Charles E. Goodrow . . . . . *Supt. of City Home.*
Office Hours (at Central Square Building), 8 A. M. to 4 P. M.
Telephones:—
Office, 660.
City Home, 189.

BOARD OF SURVEY.

JOHN P. LEONARD . . . . . Chairman.
Term, three years.
John P. Leonard . . . . . Term expires 1908.
Frederick A. McMenimen . . . . Term expires 1909.
Clement G. Morgan . . . . . Term expires 1910.
John McDuffie . . . . . *Secretary.*

AGENT FOR COMMITTEE ON SOLDIERS' AID.

EBEN W. PIKE.
Office Hours: 8 A. M. to 4 P. M.
Office, Room 16, City Hall. Telephone 818.

TRUSTEES OF THE DOWSE INSTITUTE.

Frank A. Allen . . . . . *President.*
Walter C. Wardwell . . . . . *Mayor, ex-officio.*
Henry J. Winslow, *President of Common Council, ex-officio.*
George Howland Cox, Willard A. Bullard.
Frank A. Allen.
George Howland Cox . . . . . *Secretary.*

TRUSTEES OF THE { SANDERS TEMPERANCE FUND. / BRIDGE CHARITABLE FUND.

Walter C. Wardwell, Mayor; Edward B. James, President of the Board of Aldermen; Henry J. Winslow, President of the Common Council, *Ex-Officiis.*

PERSON TO RECEIVE INFORMATION OF DAMAGE BY DOGS.

(*Ch. 102, Sect. 155, Revised Laws.*)
Frederick B. Pullen.

CONSTABLES.

(Without power to serve civil process.)

Fred Bailey.
Joseph F. Boyle.
Edward Brady.
George J. Blaisdell.
Lucian S. Cabot.
John C. Connors.
John Carmichael.
Patrick Carroll.
John J. Creedon.
Charles H. Dolloff.
Edward G. Duffy.
John J. Foley.
John Good.
Charles E. Goodrow.
Frank A. Hagar.
Fred M. Harrington.
James Hicks.
Thomas A. Hughes.
Francis D. Lehan.
Joseph James.
John A. Jackson.
Charles A. Lincoln.
Peter Malone.
Eugene McCarthy.
John McDonald.
Francis A. McLaughlin.
Thomas H. McManus.
Daniel J. Mills.
David J. Nelligan.
William H. Porter.
Thomas F. Riley.
John J. Roach.
John Ryan.
Leander Sampson.
John Taylor.
George E. Verrill.
Frank H. Wait.
Joseph B. Whoriskey.

CONSTABLES.

(With power to serve civil process.)

Gilmore B. Creelman.
Joseph Fox.
Warren Ivers.
Thomas J. McGowan.
Andrew H. McKee.
James D. Russell.
Frank E. Shaw.
Arthur M. Stewart.
James E. Lennon.
William F. McCormick.
William M. Andrew.
John Foster.

MEASURERS OF WOOD AND BARK.

Richard T. Donoclift.
Joseph P. Quilty.
Charles B. Wendell.
Sewall R. Seaverns.
David C. Proudfoot,
Robert A. Parry.
Walter H. Nay.

POUND KEEPERS.

Robert Holden.
Edward F. Sullivan.

COMMITTEE FOR THE PRESERVATION OF FISH.

Edwin C. Brooks. Theodore L. Pike.

INSPECTORS OF JUNK SHOPS.

Pawnbrokers' Shops and Second-Hand Stores and Dealers:

John J. McBride. John F. Murray.
James E. Murray. Patrick J. Hurley.

HAY WEIGHERS.

Frank W .Bartlett. George M. David.
William N. Neally.

INSPECTOR OF PRESSED OR BUNDLED HAY OR STRAW

Harvey O. Titus.

PUBLIC WEIGHERS.

Francis E. Bailey. John H. Holt.
Robert C. Bird. James Knowles.
Ernest E. Bradbury. Neil Macdonald.
Theodore P. Clark. Fred W. MacFarland.
Edward B. Dale. Melvin MacFarland.
John E. Fay. William Maloney.
Frank Finnick. Martin McMahon.
Alexander S. Ford, John F. Reilly.
John P. Healy. John M. Thayer.
Robert Holden. James J. Travers.
James A. Whelan.

MEASURERS OF GRAIN.

Felix C. McBride. John C. Connors.
Emery T. Morris.

SURVEYOR OF MECHANICS' WORK.

Charles A. Mason.

KEEPER OF LOCK UPS.

Frederick B. Pullen.

STATE AND CITY ELECTIONS

HELD

NOVEMBER 5, 1907, AND DECEMBER 10, 1907

RESPECTIVELY

AS CORRECTED BY RECOUNTS.

VOTES CAST FOR GOVERNOR AND OTHER STATE OFFICERS, COUNCILLORS, SENATORS, REPRESENTATIVES IN THE GENERAL COURT, COUNTY COMMISSIONERS, ASSOCIATE COMMISSIONERS, DISTRICT ATTORNEY, SHERIFF, AN AMENDMENT TO THE CONSTITUTION; ALSO FOR CITY OFFICERS, AND ON SUNDRY QUESTIONS.

STATE ELECTION, NOVEMBER 5, 1907.

		CANDIDATES FOR GOVERNOR.													FOR LIEUTENANT GOVERNOR.									FOR SECRETARY.						
		Whole number.	Bartlett, Anti-M.	Brennan, S. L.	Brown, Soc.	Cowell, Pro.	Guild, Rep.	Hisgen, I. L.	Whitney, Dem.	Whitney, Ind. Cit.	Whitney, Dem. Cit.	Whitney.	John E. Thayer.	Blank.	Brown, Ind. L.	Cahill, Anti-M.	Draper, Rep.	Hoar, S. L.	Lawrence, Soc.	Lewis, Pro.	Schofield, Dem., D.C.	Henry M. Whitney.	Blank.	Bingham, Pro.	Charest, D. C., Dem.	Hall, Soc.	Olin, Rep.	Reimer, S. L.	Ring, I. L.	Blank.
WARD.	PREC'T																												
1.....	1.....	275	18	6	2	2	50	81	99	4	1	7	....	5	104	9	22	3	3	....	116	....	18	5	128	4	32	13	49	44
1.....	2.....	262	15	1	5	1	63	72	85	1	7	....	....	12	88	3	50	1	4	....	95	....	21	5	105	5	60	1	54	32
	Totals..	537	33	7	7	3	113	153	184	5	8	7	....	17	192	12	72	4	7	....	211	....	39	10	233	9	92	14	103	76
2.	1.....	325	15	4	8	....	63	89	120	8	11	....	....	7	95	8	40	4	5	1	143	....	29	5	131	7	51	1	58	72
2.....	2.....	241	18	4	6	2	33	63	79	2	5	3	....	26	86	5	27	3	5	1	89	....	25	1	104	7	27	10	45	47
	Totals..	566	33	8	14	2	96	152	199	10	16	3	....	33	181	13	67	7	10	2	232	....	54	6	235	14	78	11	103	119
3.....	1.....	238	22	6	8	1	38	72	73	1	8	2	....	7	93	5	17	8	5	2	84	....	24	1	101	7	24	10	51	44
3.	2.....	215	13	2	4	...	29	58	91	3	6	1	....	8	65	5	19	2	6	1	99	....	18	....	103	6	20	1	46	39
3.....	3.....	253	12	1	8	1	57	69	82	5	8	....	....	10	78	4	49	3	6	1	94	....	18	5	96	8	53	1	45	45
3.....	4.....	231	9	....	4	....	51	55	100	3	5	1	....	3	61	4	40	1	2	....	113	....	10	1	107	6	52	....	35	30
	Totals..	937	56	8	24	2	175	254	346	12	27	4	....	28	297	18	125	14	19	4	390	....	70	7	407	27	149	12	177	158
4.....	1.....	174	8	3	2	....	50	51	36	3	12	1	....	8	56	4	41	4	2	....	52	....	15	2	56	6	46	1	38	25
4.....	2.....	208	4	1	3	5	97	54	31	2	7	....	....	4	65	....	85	....	4	3	47	....	4	3	43	11	95	....	40	16
4.....	3.....	227	9	3	6	2	107	55	29	3	2	3	...	8	65	1	90	2	7	2	42	.. .	18	4	42	7	113	1	35	25
4.....	4.....	258	8	1	4	3	139	53	44	2	....	....	....	4	56	5	119	1	6	3	49	....	19	2	51	5	135	4	28	33
	Totals..	867	29	8	15	10	393	213	140	10	21	4	....	24	242	10	335	7	19	8	190	....	56	11	192	29	389	6	141	99
5.....	1.....	292	4	1	6	....	88	74	96	5	6	1	....	11	84	3	69	4	3	....	110	....	19	1	105	5	88	2	52	39
5	2.....	327	11	...	....	1	148	58	87	4	3	2	....	13	64	6	131	....	...	3	103	....	20	4	99	1	154	21	11	37
5.....	3.....	332	3	....	3	1	228	30	52	6	4	3	....	2	43	....	218	1	3	1	55	....	11	2	46	5	243	....	20	16
5.....	4.....	315	2	....	2	5	219	37	40	4	1	....	....	5	45	2	206	....	2	7	38	....	15	6	32	2	238	....	21	16
	Totals..	1,266	20	1	11	7	683	199	275	19	14	6	....	31	236	11	624	5	8	11	306	....	65	13	282	13	723	23	104	108

6.....	1.....	280	6	....	10	1	128	73	47	3	3	1	....	8	87	1	120	3	9	3	47	....	10	8	51	8	131	1	54	27
6.....	2.....	333	9	1	9	....	160	88	57	2	3	1	....	3	95	8	150	2	6	....	63	....	9	3	54	8	178	2	57	31
6.....	3.....	369	11	2	3	4	175	79	71	3	10	2	....	9	90	5	156	2	4	4	90	....	18	4	91	3	180	5	47	39
6.....	4.....	360	6	3	....	10	219	70	39	7	3	1	....	2	77	4	201	2	....	10	52	....	14	7	41	....	250	2	40	20
	Totals..	1,342	32	6	22	15	682	310	214	15	19	5	....	22	349	18	627	9	19	17	252	....	51	22	237	19	739	10	198	117
7.....	1.....	317	7	1	7	1	145	53	80	7	6	3	....	7	61	5	134	2	6	2	91	....	16	2	91	6	158	2	31	27
7.....	2.....	313	8	5	....	3	122	66	91	1	4	4	....	9	72	3	103	1	...	3	108	....	23	3	100	3	118	5	38	46
7.....	3.....	385	5	1	1	11	246	63	43	1	5	3	....	6	77	2	235	....	1	14	44	....	12	13	34	2	270	1	38	27
7.....	4.....	313	8	2	5	7	155	70	51	1	4	3	....	7	86	5	134	1	4	6	56	....	21	8	59	3	160	1	48	34
	Totals..	1,328	28	9	13	22	668	252	265	10	19	13	....	29	296	15	606	4	11	25	299	....	72	26	284	14	706	9	155	134
8.....	1.....	350	7	1	1	3	181	60	77	4	7	....	....	9	64	2	169	....	2	5	90	...	18	3	81	1	206	1	34	24
8.....	2.....	370	6	2	....	2	204	56	81	6	6	3	....	4	68	4	196	3	2	4	77	....	16	4	68	2	229	3	33	31
8.....	3.....	395	14	4	4	1	96	88	131	6	21	5	....	25	109	4	76	1	2	3	157	....	43	2	172	4	91	3	52	71
	Totals..	1,115	27	7	5	6	481	204	289	16	34	8	....	38	241	10	441	4	6	12	324	....	77	9	321	7	526	7	119	126
9.....	1.....	414	5	1	3	3	263	38	32	10	54	....	1	4	48	1	263	4	1	3	78	....	16	3	53	2	311	1	20	24
9.....	2.....	389	7	3	2	1	193	46	113	10	7	2	....	5	51	2	186	1	2	5	123	1	18	3	109	2	222	2	25	26
9.....	3.....	322	5	2	3	2	139	62	83	8	4	....	....	14	72	2	133	....	3	3	85	....	24	2	77	6	160	1	42	34
	Totals..	1,125	17	6	8	6	595	146	228	28	65	2	1	23	171	5	582	5	6	11	286	1	58	8	239	10	693	4	87	84
10.....	1.....	360	5	2	1	....	238	28	71	8	1	1	....	5	32	1	238	2	1	....	71	....	15	....	59	5	264	1	13	18
10.....	2.....	322	7	7	4	2	207	18	58	15	2	1	....	1	30	3	219	7	3	3	50	....	7	2	44	4	238	6	13	15
10.....	3.....	247	10	...	2	....	62	44	95	11	10	5	....	8	50	2	51	....	1	....	125	....	18	1	127	2	57	1	28	31
	Totals..	929	22	9	7	2	507	90	224	34	13	7	....	14	112	6	508	9	5	3	246	....	40	3	230	11	559	8	54	64
11.....	1.....	415	7	....	1	3	240	81	71	1	3	2	....	6	84	2	239	3	....	3	74	....	10	4	63	1	267	2	53	25
11.....	2.....	360	16	4	3	...	114	122	74	9	9	3	...	6	142	6	97	1	2	2	90	....	20	6	102	5	123	15	62	47
11.....	3.....	330	23	4	4	1	59	101	99	4	13	3	....	19	124	11	45	3	6	....	119	....	22	1	140	4	59	1	81	44
	Totals.	1,105	46	8	8	4	413	304	244	14	25	8	....	31	350	19	381	7	8	5	283	....	52	11	305	10	449	18	196	116
Grand Totals...		11,117	343	78	134	79	4,806	2,277	2,608	173	261	67	1	290	2,667	137	4,368	75	118	98	3,019	1	634	126	2,965	163	5,103	122	1,437	1,201

I. C.—Independent Citizen.
D. C.—Democratic Citizen.
Soc.—Socialist.
Pro.—Prohibition.
Anti-M.—Anti-Merger.
S. L.—Socialist Labor.
Rep.—Republican.
I. L.—Independence League.
Dem.—Democratic.

STATE ELECTION, NOVEMBER 5, 1907—*Continued.*

		FOR TREASURER.								FOR AUDITOR.							FOR ATTORNEY GENERAL.							
		Barnes.	Cantwell.	Chapin, Rep.	Connery.	Doherty.	Hitchcock.	Kendall, Pro.	Blank.	Claudino.	Conry.	Finnerty.	Hall.	Pease.	Turner, Rep.	Blank.	Coffin, Pro.	Malone, Rep.	McCarthy.	McConnell.	Osgood.	Pratt.	Smith.	Blank.
WARD.	PREC'T																							
1.	1.....	2	44	28	7	141	2	3	48	3	125	54	3	1	23	66	3	26	7	154	37	...	3	45
1.....	2.....	5	43	56	4	110	5	5	34	7	100	51	5	.....	51	48	2	54	5	110	52	2	2	35
	Tstals..	7	87	84	11	251	7	8	82	10	225	105	8	1	74	114	5	80	12	264	89	2	5	80
2.....	1.....	8	46	46	6	140	8	4	67	5	145	51	7	1	44	72	3	42	16	162	47	3	3	49
2.....	2.....	3	39	35	4	109	6	1	44	3	108	37	7	1	24	61	1	25	10	116	37	3	1	48
	Totals..	11	85	81	10	249	14	5	111	8	253	88	14	2	68	133	4	67	26	278	84	6	4	97
3.....	1.....	11	35	19	5	115	5	3	45	8	120	35	5	1	17	52	1	21	18	111	37	1	6	43
3.....	2.....	2	37	16	2	108	7	3	40	2	113	41	4	.....	16	39	.....	17	9	113	42	....	....	34
3.....	3.....	4	40	49	4	106	7	6	37	4	87	44	9	1	47	61	2	51	13	92	50	3	3	39
3.....	4.....	.....	28	44	3	120	3	7	26	.... .	120	28	4	1	43	25	2	43	6	125	26	2	....	27
	Totals..	17	140	128	14	449	22	19	148	14	440	148	22	3	123	187	5	132	46	441	155	6	9	143
4.....	1.....	3	32	43	4	58	2	3	29	4	55	36	3	2	42	32	2	41	8	67	32	1	1	22
4.....	2.....	2	37	97	1	44	3	5	19	2	45	34	5	5	92	25	6	92	6	48	37	2	2	15
4.....	3.....	3	30	105	3	40	4	11	31	3	39	32	8	7	103	35	1	105	7	49	38	1	1	25
4.....	4.	3	32	136	.....	49	3	4	31	.....	49	34	6	4	127	38	3	132	5	55	31	3	....	29
	Totals..	11	131	381	8	191	12	23	110	9	188	136	22	18	364	130	12	370	26	219	138	7	4	91
5.....	1.....	2	46	88	3	115	3	3	32	2	117	46	3	3	77	44	.....	78	4	120	47	....	4	39
5.....	2.....	3	34	140	2	106	.....	5	37	2	108	32	.. ...	3	140	42	5	139	3	111	31	....	1	37
5.....	3.....	1	16	238	1	51	3	5	17	1	51	14	3	2	238	23	5	233	2	52	20	2	1	17
5.....	4.....	.....	21	235	.....	29	2	13	15	.....	31	18	2	7	240	17	8	225	3	33	27	2	1	16
	Totals..	6	117	701	6	301	8	26	101	5	307	110	8	15	695	126	18	675	12	316	125	4	7	109

6.....	1.....	4	50	126	3	54	11	2	30	.....	53	45	11	3	130	38	8	125	12	55	52	....	1	27
6.....	2.....	3	55	165	4	51	8	12	35	3	54	52	11	.....	173	40	5	167	9	56	60	3	4	29
6.....	3.....	1	43	161	5	98	5	15	41	2	98	42	7	5	169	46	7	166	6	106	44	1	1	38
6.....	4.....	2	31	241	3	43	2	20	18	5	44	30	3	9	248	21	11	238	2	50	39	2	2	16
	Totals..	10	179	693	15	246	26	49	124	10	249	169	32	17	720	145	31	696	29	267	195	6	8	110
7.....	1.....	2	28	155	1	95	5	9	22	2	88	31	7	2	158	29	3	151	9	96	34	....	2	22
7.....	2.....	3	32	118	4	106	1	6	43	2	103	30	1	7	115	55	6	122	3	110	31	....	1	40
7.....	3.....	1	36	254	2	30	2	28	32	2	35	35	3	14	265	31	15	256	1	37	41	2	2	31
7.....	4.....	2	42	149	2	56	3	16	43	3	54	42	4	5	150	55	9	150	5	62	45	2	3	37
	Totals..	8	138	676	9	287	11	59	140	9	280	138	15	28	688	170	33	679	18	305	151	4	8	130
8.....	1.....	.....	38	200	2	79	4	6	21	1	79	38	3	4	193	32	3	193	5	83	41	2	2	21
8.....	2.....	1	31	223	3	67	1	13	31	1	67	27	4	6	228	37	9	212	2	72	32	2	3	38
8.....	3.....	1	39	89	3	183	3	5	72	1	175	43	4	1	87	84	3	87	9	185	43	....	1	67
	Totals..	2	108	512	8	329	8	24	124	3	321	108	11	11	508	153	15	492	16	340	116	4	6	126
9.....	1.....	1	24	297	1	48	3	12	28	1	52	20	3	2	306	30	6	287	3	57	29	....	1	31
9.....	2.....	1	23	214	4	108	1	4	34	2	107	23	2	2	212	41	2	211	3	114	25	....	1	33
9.....	3.....	.....	42	150	2	88	4	7	29	.....	87	42	3	4	152	34	4	151	5	87	41	....	....	34
	Totals..	2	89	661	7	244	8	23	91	3	246	85	8	8	670	105	12	649	11	258	95	....	2	98
10.....	1.....	1	10	263	2	60	2	5	17	2	64	9	3	1	255	26	1	264	1	61	12	1	3	17
10.....	2.....	8	10	230	1	45	5	7	16	6	42	18	4	5	229	18	3	233	3	47	14	3	8	11
10.....	3.... .	1	25	58	2	128	2	2	29	.....	127	25	1	1	55	38	.....	56	2	132	28	....	....	29
	Totals..	10	45	551	5	233	9	14	62	8	233	52	8	7	539	82	4	553	6	240	54	4	11	57
11.....	1.....	1	45	263	1	68	1	5	31	2	64	48	3	4	261	33	4	249	2	71	54	3	4	28
11.....	2.....	3	64	113	5	119	5	4	47	2	123	62	3	4	117	49	.....	106	7	137	62	5	2	41
11.....	3.....	3	69	53	6	143	2	10	44	3	144	78	2	.....	52	51	1	52	7	149	76	....	2	43
	Totals..	7	178	429	12	330	8	19	122	7	331	188	8	8	430	133	5	407	16	357	192	8	8	112
Grand Totals...		91	1,297	4,897	105	3,110	133	269	1,215	86	3,073	1,327	156	118	4,879	1,478	144	4,800	218	3,285	1,394	51	72	1,153

I. C.—Independent Citizen.
D. C.—Democratic Citizen.
Anti-M.—Anti-Merger.
S. L.—Socialist Labor.
Soc.—Socialist.
Pro.—Prohibition.
Rep.—Republican.
I. L.—Independence League.
Dem.—Democratic.

STATE ELECTION, NOVEMBER 5, 1907 — *Continued.*

Names of Candidates.		COUNCILLOR. THIRD DISTRICT.				COUNCILLOR. FOURTH DISTRICT.						SENATOR. SECOND SUFFOLK.					SENATOR. THIRD SUFFOLK.				SENATOR. SECOND MIDDLESEX.							
		Edward P. Barry, Dem.	Charles H. Robinson, Rep.	John T. Shea.	Blank.	Amos L. Betts, I. L.	Walter S. Glidden, Rep.	Thomas Hooper, Dem.	Jeremiah Good.	William V. Thompson.	Blank.	Henry A. H. Gifford, Rep.	George F. Monahan, Dem.	Patrick J. Monahan.	James T. Barrett.	Blank.	Edward W. Dixon, Dem.	Saverio R. Romano, Rep.	Augustus Seaver, I. L.	Blank.	Frederick J. McLeod, Dem.	Albin M. Richards, I. L.	Thorndike Spalding, Rep.	Alped A. Wright, Pro.	Robert D. Weston.	W. H. Schofield.	Blank.
WARD.	PREC'T																										
1.....	1.....	206	28	...	41							24	139	91	....	21											
1.....	2.....	167	56	....	39							54	87	100	....	21											
	Totals..	373	84	...	80							78	226	191	....	42											
2.....	1.....	219	43	....	63							55	127	100	....	43											
2.....	2.....	161	28	....	52							27	105	84	...	25											
	Totals..	380	71	....	115							82	232	184	....	68											
3.....	1.....	184	17	....	37							15	122	84	....	17											
3.....	2.....	168	18	....	29							14	105	79	1	16											
3.....	3.....	151	56	....	46							49	101	64	....	39											
3.....	4.....	166	41	...	24							39	125	52	....	15											
	Totals..	669	132	....	136							117	453	279	1	87											
4.....	1.....	100	40	....	34												75	36	37	26							
4.....	2.....	85	99	1	23												58	82	54	14							
4.....	3.	79	109	....	39												70	87	42	28							
4.....	4.....	78	135	....	45												64	112	45	37							
	Totals..	342	383	1	141												267	317	178	105							
5.....	1.....					16	96	84	....	....	96										164	27	82	....	....	....	19
5.....	2.....					15	149	66	....	....	97										150	26	135	3	....	....	13
5... ...	3.....					6	230	43	....	....	53										102	14	206	3	....	....	7
5.....	4... ...					17	217	40	....	....	41										82	18	201	4	...	....	10
	Totals..					54	692	233	....	....	287										498	85	624	10	...	....	49

6.....	1.....					12	125	68	...	....	75									122	33	102	5	....	....	18
6.....	2.....					19	166	84	....	....	64									130	42	141	4	....	....	16
6.....	3.....					18	169	76	....	...	106									168	25	158	4	....	....	14
6.....	4.....					24	242	54	....	....	40									108	29	207	6	....	....	10
	Totals..					73	702	282	....	....	285									528	129	608	19	...	...	58
7.....	1.....					17	149	69	....	....	82															
7.....	2.....					11	134	60	1	....	107									141	26	133	2	....	....	15
7.....	3.....					29	247	57	....	....	52									172	14	106	2	....	....	19
7.....	4.....					11	154	70	....	....	78									113	22	226	11	....	....	13
	Totals..					68	684	256	1	....	319									143	27	124	3	....	....	16
8.....	1.....					7	197	65	....	....	81									569	89	589	18	....	....	63
8.....	2..... .					19	225	52	....	....	74									135	21	181	5	....	....	8
8.....	3... ...					13	96	112	....	....	174									131	24	202	10	....	....	3
	Totals..					39	518	229	....	....	329									276	15	84	....	....	....	20
9.....	1.....					19	284	48	....	....	62									542	60	467	15	....	....	31
9.....	2.....					10	217	63	....	1	99									111	19	264	3	....	....	17
9.....	3.....					17	152	68	....	....	85									131	22	221	2	1	1	11
	Totals..					46	653	179	....	1	246									133	16	156	1	....	....	16
10.....	1.....					20	256	36	....	....	48									375	57	641	6	1	1	44
10.....	2.....					11	236	26	....	....	49									113	8	227	1	...	....	11
10.....	3.....					12	55	63	....	....	117									89	6	211	4	....	....	12
	Totals..					43	547	125	....	....	214									168	14	56	1	...	....	8
11.....	1.....					14	249	81	....	....	71									370	28	494	6	....	....	31
11.....	2.....					11	120	134	....	....	95									141	42	217	2	....	....	13
11.....	3.....					12	65	133	...	....	120									200	37	110	....	....	....	13
	Totals.					37	434	348	....	....	286									208	38	66	1	....	...	17
Grand Totals...		1,764	670	1	472	360	4,230	1,652	1	1	1,966	277	911	654	1	197	267	317	178	105	549	117	393	3	....	....	43
																					3,431	565	3,816	77	1	1	319

I. C.—Independent Citizen.
D. C.—Democratic Citizen.
Anti-M.—Anti-Merger.

S. L.—Socialist Labor.
Soc.—Socialist.
Pro.—Prohibition.

Rep.—Republican.
I. L.—Independence League.
Dem.—Democratic.

STATE ELECTION, NOVEMBER 5, 1907.

REPRESENTATIVES IN GENERAL COURT.

First Middlesex District.

Ward.	Prec't	John M. Campbell, I. L.	Edward F. Delany, I. L.	William M. Hogan, Dem.	Jeremiah J. Leonard, Soc.	Joseph Pavey, Soc.	Edward J. Sennott, Dem.	Blank.
1	1	32	31	181	6	10	168	122
1	2	49	43	139	12	10	127	144
	Totals	81	74	320	18	20	295	266
2	1	37	36	177	48	13	204	135
2	2	31	25	157	9	3	125	132
	Totals	68	61	334	57	16	329	267
3	1	29	34	152	13	8	161	79
3	2	14	22	128	8	8	166	84
3	3	36	40	129	12	9	157	123
3	4	17	29	135	9	5	165	102
	Totals	96	125	544	42	30	649	388

Second Middlesex District.

Ward.	Prec't	William H. Behnke, I. L.	Fred L. Beunke, Rep.	John P. Caples, Dem.	Frank S. Clifford, Pro.	James Nathaniel Deer, Pro.	George A. Giles, Rep.	John T. Lynch, Dem.	Julius Meyers, Rep.	William J. Murphy, Dem.	Francis Traynor, Pro.	F. F. O'Neil.	Blank.
4	1	27	49	61	2	2	37	81	43	63	18	....	139
4	2	41	100	43	8	7	102	51	101	47	27	...	97
4	3	48	114	42	2	7	101	48	112	55	20	...	132
4	4	35	145	45	4	4	137	48	138	48	25	....	145
	Totals	151	408	191	16	20	377	228	394	213	90	....	513
5	1	43	83	118	3	0	72	128	83	125	21	....	200
5	2	30	141	89	4	6	128	111	150	94	30	1	197
5	3	24	246	45	4	1	235	47	233	49	14	....	98
5	4	38	239	35	10	5	214	33	224	32	22	....	93
	Totals	135	709	287	21	12	649	319	690	300	87	1	588

Third Middlesex District.

Joseph O. Authier, Dem.	Fred E. Britten, Pro.	James J. Connell, Dem.	Harry W. Davies, Dem.	Samuel D. Elmore, Rep.	Robert Johnson, I. L.	Carl J. E. Josephson, I. L.	George W. Long, Rep.	Harry N. Stearns, Rep.	Oscar B. Wiren, Pro.	Blank.

| | | |

STATE ELECTION, NOVEMBER 5, 1907 — *Concluded.*

		COUNTY COMMISSIONERS.					ASSOCIATE COMMISSIONERS.								DISTRICT ATTORNEY.				SHERIFF.					AMENDMENT to CONSTITUTION. Power to Governor to remove Notaries Public, etc.		
		Francis Bigelow, Rep.	George A. DeLord, Dem.	Austin B. Robbins, Pro.	George W. C. Smith, I. L.	Blank.	James H. Christie, Dem.	George B. Glidden, Dem.	Matthew H. Quick, I. L.	David T. Strange, Rep.	Edward Everett Thompson, Rep.	Charles A. Ward, I. L.	John Johnson, Woburn	Blank.	John J. Higgins, Rep., I. L.	John J. McClure, Jr., Dem.	John B. Moran.	Blank.	John R. Fairbairn, Rep.	Albion A. Weeks, Pro.	George W. Wilkins, Dem.	James Mercer,	Blank.	Yes.	No.	Blank.
WARD.	PREC'T																									
1.....	1.....	28	141	7	35	64	83	85	27	24	23	6	....	302	75	147	....	53	110	2	112	....	51	103	39	133
1.....	2.....	60	102	4	43	53	73	62	19	40	39	5	....	286	91	131	....	40	127	6	94	....	35	130	30	102
	Totals..	88	243	11	78	117	156	147	46	64	62	11	....	588	166	278	....	93	237	8	206	....	86	233	69	235
2.....	1.....	44	138	5	50	88	88	83	16	37	43	5	....	378	86	181	1	57	117	11	137	....	60	146	39	140
2.....	2.....	27	102	4	35	73	62	60	17	16	24	7	....	296	56	132	....	53	79	5	110	....	47	91	31	119
	Totals..	71	240	9	85	161	150	143	33	53	67	12	....	674	142	313	1	110	196	16	247	....	107	237	70	259
3.....	1.....	13	123	6	32	64	83	77	21	18	18	2	....	257	54	140	....	44	73	7	112	....	46	83	36	119
3.....	2.....	16	109	4	39	47	69	72	12	17	15	7	....	238	44	140	....	31	53	5	133	....	24	89	27	99
3.....	3.....	41	106	5	37	64	72	68	6	41	38	2	....	279	71	120	....	62	95	6	105	....	47	101	38	114
3.....	4.....	40	118	3	31	39	56	61	14	39	37	4	....	251	65	128	....	38	77	3	114	....	37	91	31	109
	Totals..	110	456	18	139	214	280	278	53	115	108	15	....	1,025	234	528	....	175	298	21	464	....	154	364	132	441
4.....	1.....	39	65	3	30	37	47	50	10	39	39	5	....	158	60	83	....	31	59	3	73	....	39	65	28	81
4.....	2.....	90	50	8	32	28	52	43	13	82	82	8	....	136	126	64	....	18	127	8	51	....	22	107	38	63
4.....	3.....	97	44	5	36	45	43	47	10	94	89	4	....	167	135	49	....	43	137	5	48	....	37	111	24	92
4.....	4.....	125	56	2	32	43	54	53	9	116	117	9	....	158	155	64	....	39	163	8	59	....	28	131	28	99
	Totals..	351	215	18	130	153	196	193	42	331	327	26	....	619	476	260	....	131	486	24	231	....	126	414	118	335
5.....	1.....	70	117	6	40	59	73	71	17	77	76	9	....	261	115	132	....	45	141	.....	115	....	36	134	42	116
5.....	2.....	132	103	6	33	53	53	50	15	127	121	10	....	278	162	124	1	40	182	11	107	....	27	166	41	120
5.....	3.....	231	45	4	26	26	36	42	7	215	217	4	....	143	248	57	....	27	272	11	38	1	10	219	34	79
5.....	4.....	216	31	11	25	32	31	37	17	198	196	9	....	142	248	35	....	32	254	11	27	....	23	198	44	73
	Totals..	649	296	27	124	170	193	200	56	617	610	32	....	824	773	348	1	144	849	33	287	1	96	717	161	388

6.....	1.....	120	50	11	52	47	67	61	18	107	94	6	....	207	159	68	1	52	151	10	70	....	49	125	46	109
6.....	2.....	162	60	8	54	49	70	71	12	155	148	5	....	205	219	72	....	42	214	12	67	....	40	189	45	99
6.....	3.....	159	87	14	42	67	69	64	19	149	136	9	....	292	200	118	....	51	200	12	111	....	46	182	44	143
6.....	4.....	230	41	17	33	39	51	52	25	211	207	8	....	166	277	52	....	31	263	12	58	1	26	218	37	105
	Totals..	671	238	50	181	202	257	248	74	622	585	28	....	870	855	310	1	176	828	46	306	1	161	714	172	456
7.....	1.....	145	87	9	36	40	59	55	19	139	126	6	....	230	179	105	....	33	180	7	99	....	31	173	30	114
7.....	2.....	120	104	9	26	54	51	58	17	114	97	6	....	283	144	122	....	47	154	8	111	....	40	140	35	138
7.....	3.....	250	29	23	37	46	44	48	29	231	209	13	....	196	296	45	....	44	297	15	40	....	33	212	43	130
7.....	4.....	140	57	9	43	64	55	55	18	134	129	7	....	228	192	75	....	46	182	12	74	....	45	155	53	105
	Totals..	655	277	50	142	204	209	216	83	618	561	32	....	937	811	347	....	170	813	42	324	....	149	680	161	487
8.....	1.....	188	78	6	35	43	58	60	18	172	175	15	....	204	225	91	....	34	226	9	84	....	31	223	37	90
8.....	2.....	219	66	10	33	42	51	53	23	201	195	13	....	204	254	81	....	35	257	11	75	....	27	238	44	88
8.....	3.....	85	186	6	35	83	87	91	10	81	80	9	....	432	113	207	....	75	121	3	201	....	70	176	43	176
	Totals .	492	330	22	103	168	196	204	51	454	450	37	....	838	592	379	....	144	604	23	360	....	128	637	124	354
9.....	1.....	282	58	11	24	39	49	48	18	269	257	9	1	177	309	67	....	38	329	6	56	....	23	283	51	80
9.....	2.....	208	98	8	23	52	51	48	9	199	198	7	....	266	226	120	....	43	227	4	116	....	42	230	48	111
9.....	3.....	142	79	7	39	55	61	60	20	129	134	7	....	233	179	102	....	41	180	7	90	....	45	196	27	99
	Totals..	632	235	26	86	146	161	156	47	597	589	23	1	676	714	289	....	122	736	17	262	....	110	709	126	290
10.....	1.....	245	60	7	13	35	31	33	16	240	228	9	....	163	263	71	....	26	281	5	54	....	20	245	28	87
10.....	2.....	227	48	5	10	32	22	21	13	208	204	11	....	165	238	55	....	29	248	3	43	....	28	217	25	80
10.....	3.....	53	120	4	25	45	52	55	11	51	45	9	....	271	69	137	1	40	78	2	133	....	34	116	29	102
	Totals.	525	228	16	48	112	105	109	40	499	477	29	....	599	570	263	1	95	607	10	230	....	82	578	82	269
11.....	1.....	235	65	10	51	54	67	67	21	221	212	11	....	231	298	82	....	35	287	14	77	....	37	244	43	128
11.....	2.....	103	129	4	65	59	121	117	16	99	98	6	....	263	155	160	1	44	160	4	151	....	45	196	52	112
11.....	3.....	44	139	5	70	72	116	109	19	44	45	6	....	321	103	167	....	60	100	4	166	....	60	130	75	125
	Totals..	382	333	19	186	185	304	293	56	364	355	23	....	815	556	409	1	139	547	22	394	....	142	570	170	335
Grand Totals..		4,626	3,091	266	1,302	1,832	2,207	2,187	581	4,334	4,191	268	1	8,465	5,889	3,724	5	1,499	6,201	262	3,311	2	1,341	5,853	1,385	3,879

I. C.—Independent Citizen.
D. C.—Democratic Citizen.
Anti-M.—Anti-Merger.
S. L.—Socialist Labor.
Soc.—Socialist.
Pro.—Prohibition.
Pro.—Prohibition.
I. L.—Independence League.
Dem.—Democratic.

MUNICIPAL ELECTION, DECEMBER 10, 1907.

Names of Candidates.		MAYOR.							ASSESSOR.				LICENSE QUESTION.		
		Whole Number.	Aylward, James F. Dem.	Richards, Albin M. I. L.	Wardwell, Walter C. Non-p. M.	Dana, William R.	Thurston, Charles H. 16 Trowbridge.	Blank.	Clary, Oliver D. Non-p. M.	Seaver, Augustus I. L.	Shaughnessy, Daniel B. Dem.	Blank.	Yes.	No.	Blank.
WARD.	PR. C'T														
1.....	1.....	394	320	6	61	....	....	7	60	15	311	8	202	150	42
1.....	2.....	365	252	6	101	....	....	6	54	9	290	12	150	153	62
	Totals..	759	572	12	162	....	....	13	114	24	601	20	352	303	104
2.....	1.....	415	309	12	90	....	....	4	86	9	307	13	183	188	44
2.....	2.....	342	258	5	72	....	....	7	56	10	259	17	138	171	33
	Totals..	757	567	17	162	....	....	11	142	19	566	30	321	359	77
3.....	1.....	316	258	6	49	....	....	3	54	9	238	15	166	112	38
3.....	2.....	290	228	2	54	....	....	6	55	5	209	21	148	93	49
3.....	3.....	334	235	4	90	....	....	5	76	12	235	11	134	157	43
3.....	4.....	322	229	7	82	....	....	4	63	12	234	23	144	139	39
	Totals..	1,262	950	19	275	....	....	18	248	38	906	70	592	501	169
4.....	1.....	291	198	5	76	....	....	12	73	15	168	35	146	90	55
4.....	2.....	291	121	13	153	....	....	4	140	26	114	11	80	190	21
4.....	3.....	301	124	12	157	....	....	8	140	25	113	23	99	170	32
4.....	4.....	336	118	17	194	....	....	7	180	35	101	20	86	219	31
	Totals..	1,219	561	47	580	....	....	31	533	101	496	89	411	669	139
5.....	1.....	342	209	7	124	....	....	2	107	16	201	18	115	193	34
5.....	2.....	354	164	11	171	....	1	7	154	14	169	17	72	259	23
5.....	3.....	366	86	3	274	1	....	2	248	14	96	8	47	286	33
5.....	4.....	362	39	9	309	....	....	5	283	30	39	10	49	289	24
	Totals..	1,424	498	30	878	1	1	16	792	74	505	53	283	1,027	114
6.....	1.....	342	130	16	186	....	....	10	189	31	98	24	122	185	35
6.....	2.....	376	128	21	224	....	....	3	219	36	109	12	133	224	19
6.....	3.....	425	187	9	219	....	....	10	204	26	175	20	127	261	37
6.....	4.....	393	93	9	287	....	....	4	276	27	76	14	57	311	25
	Totals..	1,536	538	55	916	....	....	27	888	120	458	70	439	981	116
7.....	1.....	369	154	11	197	....	....	7	191	23	147	8	115	227	27
7.....	2.....	367	184	9	167	....	....	7	147	23	172	25	158	156	53
7.....	3.....	424	88	9	321	....	....	6	300	33	68	23	91	304	29
7.....	4.....	362	133	8	218	....	....	3	193	37	107	25	101	223	38
	Totals..	1,522	559	37	903	....	....	23	837	116	494	81	465	910	147
8.....	1.....	397	133	9	251	....	....	4	234	17	131	15	81	274	42
8.....	2.....	410	105	4	294	....	....	7	275	15	99	21	87	298	25
8.....	3.....	496	349	4	135	....	....	8	118	14	325	39	248	174	74
	Totals..	1,303	587	17	680	....	....	19	627	46	555	75	416	746	141
9.....	1.....	453	90	9	354	....	....	0	322	20	91	20	93	337	23
9.....	2.....	418	162	5	245	....	....	6	233	10	160	15	123	254	41
9.....	3.....	358	161	6	185	....	....	6	169	11	167	11	107	221	30
	Totals..	1,229	413	20	784	....	....	12	724	41	418	56	323	812	94
10.....	1.....	386	79	10	293	....	....	4	277	17	83	9	52	310	24
10.....	2.....	342	170	3	261	....	....	8	243	16	73	10	52	271	19
10.....	3.....	289	212	0	77	....	....	0	68	6	204	11	143	114	32
	Totals..	1,017	361	13	631	....	....	12	588	39	360	30	247	695	75
11.....	1.....	445	111	23	305	....	....	6	285	35	108	17	79	341	25
11.....	2.....	440	277	13	145	....	....	5	131	19	262	28	169	231	40
11.....	3.....	400	308	12	73	....	....	7	52	23	299	26	164	179	57
	Totals..	1,285	696	48	523	....	....	18	468	77	669	71	412	751	122
Grand Totals..		13,313	6,362	315	6,494	1	1	200	5,955	695	6,028	635	4,261	7,754	1298

Dem.—Democratic. Non-p. M.—Non-partisan Municipal. I. L.—Independence League.

CANDIDATES FOR ALDERMEN.

Names of Candidates.	Barry, J. Edward Dem.	Beale, Joseph H., Jr. Non-p. M.	Blanchard, Marshall F., Non-p. M.	Bowlby, Ira F. I. L.	Brennan, John P. Dem.	Burke, Nicholas F. Dem.	Casey, Joseph M. Dem.	Cassity, Edward I. L.	Chamberlain, Albert H., Non-p. M.	Corkery, Jeremiah Dem.	Cosgrove, James W. Non-p. M.	Crane, Russell D. Non-p. M.	Cunha, Alexander A. I. L.	Deitrick, Frederick S., Dem.	Delaney, Edward F. I. L.	Doris, Bernard F. Non-p. M.	Downey, Jeremiah F. Dem.	Dunn, Alexander Non-p. M.	Ganong, Frank N. Non-p. M.	James, Edward B. Dem.	Johnson, Robert I. L.	Josephson, Carl J. E. I. L.	Little, Lewis G. I. L.	Mercer, James I. L.	Monahan, Patrick J. I. L.	Mullin, Peter Dem.	O'Donnell, William J. I. L.	Palmer, William I. L.	Penniman, Harry A. Non-p. M.	Peterson, Oscar G. Non-p. M.	Quilty, J. Pierce Dem.	Stephens, George Non-p. M.	Sullivan, Joseph A. Dem	Michael M. O'Connor	Charles M. Lake	Blank.
WARD 1.																																				
Precinct 1	322	43	43	11	300	298	306	14	38	298	69	50	6	297	16	42	291	38	33	295	7	5	7	6	12	284	11	7	35	37	264	38	313	..	..	498
" 2	261	82	70	19	238	237	245	18	76	242	91	65	13	247	13	67	250	60	66	243	7	6	7	6	26	221	15	6	59	59	219	62	240	..	..	469
Totals.	583	125	113	30	538	535	551	32	114	540	160	115	19	544	29	109	541	98	99	538	14	11	14	12	38	515	26	13	94	96	483	100	553	..	..	967
WARD 2.																																				
Precinct 1	321	71	68	15	300	289	309	17	57	298	81	61	15	297	26	78	303	52	54	298	13	16	11	11	30	272	21	12	51	53	268	58	287	..	..	452
" 2	261	41	43	18	230	228	239	20	36	235	70	44	19	250	21	54	242	39	35	236	10	10	7	8	24	219	16	7	32	27	207	39	220	..	..	575
Totals.	582	112	111	33	530	517	548	37	93	533	151	105	34	547	47	132	545	91	89	534	23	26	18	19	54	491	37	19	83	80	475	97	507	..	..	1027
WARD 3.																																				
Precinct 1	261	34	37	15	233	233	239	10	31	246	42	32	10	243	14	33	249	27	29	239	4	8	8	7	27	216	12	5	29	28	212	34	236	1	..	392
" 2	225	34	33	12	222	218	216	13	29	214	38	43	11	222	14	29	227	27	30	221	4	6	4	6	18	200	12	8	28	27	196	26	204	..	..	373
" 3	258	72	71	15	230	226	240	16	65	236	74	64	26	244	23	61	245	50	53	238	9	9	6	5	15	219	12	11	56	55	211	55	223	..	..	281
" 4	243	59	62	13	230	224	226	16	58	229	71	55	22	239	19	53	249	48	48	226	12	5	10	6	17	214	9	6	48	47	211	54	215	..	..	298
Totals.	987	199	203	55	915	901	921	55	183	925	225	194	69	948	70	176	970	152	160	924	29	28	28	24	77	849	45	30	161	157	830	169	878	1	..	1344
WARD 4.																																				
Precinct 1	201	58	59	21	176	168	179	14	62	176	62	52	14	184	16	55	182	54	54	174	7	5	8	8	11	163	16	9	46	49	166	51	170	..	..	531
" 2	127	125	134	16	111	104	118	21	126	112	132	123	29	121	23	122	123	122	111	116	23	16	16	16	29	101	18	15	123	113	105	120	104	..	..	386
" 3	138	138	140	26	116	118	116	20	137	123	144	140	12	128	16	142	116	133	123	121	16	15	13	14	17	111	14	10	131	120	111	133	108	..	..	351
" 4	129	181	179	23	112	109	108	24	173	112	170	170	22	117	26	166	112	168	168	110	18	16	18	22	18	100	16	20	169	158	107	165	105	..	..	385
Totals.	595	502	512	86	515	499	521	79	498	523	508	485	77	550	81	485	533	477	456	521	64	52	55	60	75	475	64	54	469	440	489	469	487	..	..	1653
WARD 5.																																				
Precinct 1	211	107	107	20	200	191	200	16	98	205	114	101	15	209	19	96	204	94	87	195	10	9	11	7	14	187	14	9	95	84	178	89	189	..	..	377
" 2	190	154	151	15	163	164	171	15	149	170	154	147	20	177	14	138	157	144	128	169	14	7	9	13	13	149	11	13	142	121	160	136	146	..	..	370
" 3	123	252	256	10	87	83	84	7	258	89	241	249	12	96	11	233	88	245	236	98	9	4	10	5	8	81	6	9	246	244	78	245	80	..	..	243
" 4	55	307	296	16	35	38	35	12	298	42	286	296	12	58	11	282	34	286	279	50	14	10	13	12	5	27	6	12	290	272	30	292	34	..	..	237
Totals.	579	820	810	61	485	476	490	50	803	506	795	793	59	540	55	749	483	769	730	512	47	30	43	37	40	444	37	43	773	721	446	762	449	..	..	1227

WARD 6.																																						
Precinct 1	133	166	116	32	121	115	122	33	166	125	163	162	30	128	23	157	120	161	151	119	25	26	23	25	24	121	21	21	166	157	110	155	114	..	..	381
" 2	134	209	211	42	108	109	110	40	206	118	198	214	27	132	26	188	103	208	199	119	30	26	28	28	26	105	23	23	210	191	94	204	104	..	..	343
" 3	194	194	195	26	171	164	167	23	200	182	190	198	16	187	22	187	168	209	185	177	17	14	18	13	19	180	16	13	204	188	148	196	151	..	..	443
" 4	89	275	274	26	70	69	71	27	277	78	260	273	16	82	17	263	72	275	261	80	20	16	23	19	16	105	14	17	272	264	67	263	63	..	..	309
Totals.	550	844	846	126	470	457	470	123	849	503	811	847	89	529	88	795	463	853	796	495	92	82	92	85	85	511	74	74	852	800	419	818	432	..	..	1476
WARD 7.																																				
Precinct 1	168	184	187	21	148	150	145	20	181	163	178	177	14	170	17	172	143	184	167	160	21	16	16	14	14	150	17	15	181	172	139	174	140	..	..	241
" 2	199	136	134	21	186	177	176	19	134	192	133	131	13	186	16	121	170	141	125	181	13	12	21	12	15	171	11	16	127	120	165	125	170	..	..	468
" 3	90	302	308	22	64	70	66	16	307	77	281	304	15	96	14	267	69	305	265	85	21	16	16	17	9	65	7	25	289	276	69	285	63	..	..	483
" 4	144	184	190	21	115	110	110	21	186	138	180	182	16	129	8	167	110	223	163	116	20	12	14	7	10	113	8	14	180	171	109	173	100	..	..	538
Totals.	601	806	819	85	513	507	497	76	808	570	772	794	58	581	55	727	492	853	720	542	75	56	67	50	48	499	43	70	777	739	482	757	473	..	..	1730
WARD 8.																																				
Precinct 1	142	246	243	18	109	121	112	17	240	124	220	242	13	135	14	225	117	233	222	138	15	14	12	11	14	110	11	11	231	229	108	251	105	..	..	314
" 2	111	280	270	6	115	88	102	14	269	112	253	265	7	123	6	261	97	259	250	129	10	6	9	7	4	92	3	8	267	256	96	274	87	..	..	374
" 3	360	106	100	14	375	323	339	16	93	350	90	103	6	357	12	89	343	102	86	350	14	5	8	8	9	334	14	6	98	85	323	122	323	..	..	493
Totals.	613	632	613	38	599	532	553	47	602	586	563	610	26	615	32	575	557	594	558	617	39	25	29	26	27	536	28	25	596	570	527	647	515	..	..	1181
WARD 9.																																				
Precinct 1	105	346	329	14	79	84	80	14	327	82	307	323	7	116	12	304	81	312	304	109	8	13	13	10	7	75	7	9	320	310	89	323	67	..	..	397
" 2	178	244	242	9	152	158	153	9	235	149	225	242	8	177	8	226	155	229	233	166	9	11	5	4	5	142	3	7	235	233	154	244	142	..	..	206
" 3	173	175	179	8	156	154	156	7	177	155	169	189	4	172	8	164	159	169	157	169	10	5	10	2	9	149	5	8	167	162	151	168	143	..	..	249
Totals.	456	765	750	31	387	396	389	30	739	386	701	754	19	465	28	694	395	710	694	444	27	29	28	16	21	366	15	24	722	705	394	735	352	..	..	852
WARD 10.																																				
Precinct 1	91	289	293	10	71	81	78	14	284	77	268	282	8	112	5	269	68	283	269	80	13	6	10	6	5	67	3	5	279	274	92	278	65	..	..	211
" 2	69	267	259	10	61	69	67	9	248	65	241	249	6	90	7	232	59	244	237	71	8	2	8	3	2	60	3	5	240	241	81	251	57	..	..	241
" 3	215	62	64	5	199	196	210	7	62	206	65	64	3	211	4	60	208	57	63	205	2	2	4	2	8	194	4	3	59	59	208	63	193	..	..	212
Totals.	375	618	616	25	331	346	355	30	594	348	574	595	17	413	16	561	335	584	569	356	23	10	22	11	15	321	10	13	578	574	381	592	315	..	..	664
WARD 11.																																				
Precinct 1	119	294	293	31	82	96	106	22	278	93	267	285	16	133	20	257	97	274	265	102	25	15	19	20	20	85	15	17	277	256	166	252	88	..	1	502
" 2	276	116	125	18	260	254	282	17	110	261	115	114	19	280	18	106	260	106	123	261	25	12	17	9	16	240	10	10	111	97	321	118	242	..	.	491
" 3	303	44	51	17	280	281	321	15	42	286	41	44	12	309	13	41	287	40	38	288	22	10	12	10	15	269	15	17	37	35	316	39	273	..	..	577
Totals.	698	454	469	66	632	631	709	54	430	640	423	443	47	722	51	404	644	420	426	651	72	37	48	39	51	594	40	44	425	388	803	416	603	..	1	1570
Gr. Totals.	6619	5877	5862	636	5905	5797	6004	613	5713	6060	5683	5735	514	6454	582	5407	5958	5601	5297	6134	505	386	444	379	531	5601	419	409	5530	5270	5729	5562	5564	1	1	13691

CANDIDATES FOR COMMON COUNCIL.

Ward One.

	Daniel F. O'Connell, Dem.	John E. Quinn Dem.	Blank.
Precinct 1	339	351	98
" 2	287	294	149
Ward 1, Totals	526	545	247

Ward Two.

	William T. Jackman, I. L.	Hugh E. Mullen Dem.	Thomas Ryan Dem.	Blank.
Precinct 1	53	298	311	168
" 2	53	254	236	141
Ward 2, Totals	106	552	547	309

Ward Three.

	Charles F. Murphy, Dem.	Daniel D. Sheahan, Dem.	Samuel W. Pill	Blank.
Precinct 1	244	251	.....	137
" 2	229	234	.....	117
" 3	221	266	.....	181
" 4	209	248	1	186
Ward 3, Totals	903	999	1	621

Ward Four.

	William H. Behnke, I. L.	Winslow Herbert Dodge, Non-p. M.	Thomas T. Jones Non-p. M.	Peter J. Norton Dem.	Robert H. O'Neil Dem.	Blank.
Precinct 1	16	62	64	188	177	75
" 2	32	134	137	107	125	47
" 3	26	144	140	123	122	47
" 4	33	183	177	100	119	60
Ward 4, Totals	107	523	518	518	543	229

CANDIDATES FOR COMMON COUNCIL.

Ward Five.

	Albert M. Chandler Non-p. M.	Richard F. Higgins Non-p. M.	Frederick W. Kenney, Dem.	Frank J. Quirk Dem.	Frank P. Raymond, I. L.	John A. Swanson I. L.	Blank.
Precinct 1	97	99	184	175	16	14	99
" 2	152	154	139	134	15	13	101
" 3	268	260	72	70	12	5	45
" 4	308	290	30	32	19	15	30
Ward 5, Totals	825	803	425	411	62	47	275

Ward Six.

	Geo. F. Cole I. L.	Louis P. Hayward, I. L.	Frederick A. Lincoln Non-p. M.	Henry J. Winslow Non-p. M.	Blank.
Precinct 1	79	81	171	173	180
" 2	84	85	238	223	122
" 3	70	68	226	226	265
" 4	44	48	290	294	110
Ward 6, Totals	277	282	920	916	677

Ward Seven.

	Solly H. Barber Dem.	Charles E. Carruth, 2d Non-p. M.	Albert C. Cooley I. L.	John V. W. Lawson Non-p. M.	Charles H. Millner Non-p. Cit.	Thomas H. Rideout, I. L. "	Blank.
Precinct 1	117	172	34	164	79	28	144
" 2	152	111	22	87	140	26	196
" 3	51	302	29	237	94	34	101
" 4	118	179	21	186	73	20	127
Ward 7, Totals	438	764	106	674	386	108	568

Ward Eight.

	Percy N. Bolster Non-p. M.	Richard J. Carr Dem.	Irving N. Linnell Non-p. M.	Blank.
Precinct 1	255	134	254	151
" 2	296	112	267	145
" 3	246	324	116	306
Ward 8, Totals	797	570	637	602

CANDIDATES FOR COMMON COUNCIL.

Ward Nine.

	John J. Guthrie Dem.	Jesse W. Moreland Non-p. M.	Patrick J. Nolan Dem.	Timothy E. Quinn I. L.	Philip E. Sharples Non-p. M.	Blank.
Precinct 1	83	337	71	14	338	63
" 2	128	243	152	23	237	53
" 3	138	178	150	20	170	60
Ward 9, Totals	349	758	373	57	745	176

Ward Ten.

	Arthur E. Beane Non-p. M.	Edward J. Brogan I. L.	Louis F. Conant Non-p. M.	John Vogel I. L.	Russell Wood	Thomas F. Cosgrove	Blank.
Precinct 1	281	76	290	28	.....	.....	97
" 2	265	64	260	16	1	.....	78
" 3	76	206	67	58	.....	1	170
Ward 10, Totals	622	346	617	102	1	1	345

Ward Eleven.

	Archie B. Dolan Non-p. M.	Timothy J. Horan Dem.	William N. Nealley Non-p. M.	Peter J. Nelligan Dem.	Blank.
Precinct 1	291	89	291	119	100
" 2	129	267	111	278	95
" 3	46	328	38	305	83
Ward 11, Totals	466	684	440	702	278

MUNICIPAL ELECTION, DECEMBER 10, 1907.

WARD.	PREC'T.	ACCEPTANCE OF ACTS OF 1907. Chapter 491. TERM OF SOLICITOR. Yes.	No.	Blank.	Chapter 565. MUNICIPAL ELECTION, Etc. Yes.	No.	Blank.	Chapter 566. SCHOOL COMMITTEE, Etc. Yes.	No.	Blank.
1	1	74	127	193	88	100	206	94	85	215
1	2	94	85	186	91	75	199	107	60	198
	Totals	168	212	379	179	175	405	201	145	413
2	1	71	139	205	124	83	208	122	78	215
2	2	61	102	179	76	88	178	68	80	194
	Totals	132	241	384	200	171	386	190	158	409
3	1	56	86	174	67	73	176	63	59	194
3	2	68	83	139	79	66	145	92	45	153
3	3	88	84	162	91	72	171	106	53	175
3	4	58	91	173	84	69	169	97	49	176
	Totals	270	344	648	321	280	661	358	206	698
4	1	69	46	176	53	53	185	57	35	199
4	2	84	78	129	79	85	127	71	76	144
4	3	84	66	151	82	63	156	85	44	172
4	4	104	79	153	105	80	151	99	77	160
	Totals	341	269	609	319	281	619	312	232	675
5	1	94	82	166	98	72	172	103	55	184
5	2	99	111	144	109	100	145	115	74	165
5	3	154	66	146	118	101	147	124	100	142
5	4	145	90	127	114	140	108	114	129	119
	Totals	492	349	583	439	413	572	456	358	610
6	1	92	62	188	84	78	180	88	62	192
6	2	129	93	154	122	107	147	127	93	156
6	3	123	98	204	105	110	210	107	98	220
6	4	161	77	155	112	96	185	136	78	179
	Totals	505	330	701	423	391	722	458	331	747
	1	122	92	155	121	103	145	134	82	153
7	2	89	87	191	96	71	200	110	58	199
7	3	144	118	162	119	131	174	105	120	199
7	4	100	83	179	89	85	188	84	76	202
	Totals	455	380	687	425	390	707	433	336	753
8	1	158	84	155	137	124	136	116	148	133
8	2	160	91	159	126	129	155	126	129	155
8	3	128	94	274	114	93	289	122	82	292
	Totals	446	269	588	377	346	580	364	359	580
9	1	190	104	159	148	150	155	151	153	149
9	2	193	72	153	146	115	157	158	103	157
9	3	139	73	146	129	81	148	148	61	149
	Totals	522	249	458	423	346	460	457	317	455
10	1	185	78	123	122	138	126	118	139	129
10	2	134	89	119	95	127	120	101	131	110
10	3	80	78	131	81	70	138	75	68	146
	Totals	399	245	373	298	335	384	294	338	385
11	1	175	105	165	142	138	165	129	158	158
11	2	125	140	175	135	127	178	132	121	187
11	3	91	133	176	104	109	187	103	103	194
	Totals	391	378	516	381	374	530	364	382	539
Grand Totals		4,121	3,266	5,926	3,785	3,502	6,026	3,887	3,162	6,264

MUNICIPAL ELECTION, DECEMBER 10, 1907 — *Continued.*

Names of Candidates.		SCHOOL COMMITTEE FOR THREE YEARS.																	
		AT LARGE.						WARD 1.			WARD 8.			WARD 10.					
		Bicknell, George W. Dem. Non-p. M.	Lancaster, Sherman R. Dem. Non-p. M.	Paddock, Clark L. I. L.	Springfield, Theophilus.	O'Donnell, Peter F., Jr., 17 Grant St.	Blank.	Walker, Robert. Dem. Non-p. M.	Donovan, William J.	Blank.	Brooks, Lawrence G. Dem. Non-p. M.	Thurston, Chas. H.	Blank.	Sands, Frank E. Dem. Non-p. M.	Daly, Augustus J.	Blank,			
WARD.	PREC'T																		
1.....	1.....	169	144	53	....	....	422	218	..	176	157	..	237	154	....	240			
1.....	2.....	173	157	41	....	....	359	220	..	145	166	..	199	159	....	206			
	Totals..	342	301	94	....	....	781	438	..	321	323	..	436	313	....	446			
2.....	1.....	157	146	46	....	....	481	201	..	214	165	..	250	153	....	262			
2.....	2.....	137	125	53	....	....	369	172	..	170	130	..	212	130	....	212			
	Totals..	294	271	99	....	....	850	373	..	384	295	..	462	283	....	474			
3.....	1.....	135	115	42	....	....	342	137	..	180	131	..	186	116	....	201			
3.....	2.....	125	105	34	....	....	316	135	..	155	118	..	172	122	....	168			
3.....	3.....	173	148	62	....	....	287	160	..	175	154	..	181	141	....	194			
3.....	4.....	141	127	42	....	....	336	145	..	178	130	..	193	119	....	204			
	Totals..	574	495	180	....	....	1,281	577	..	688	533	..	732	498	....	767			
4.....	1.....	125	113	43	....	....	301	121	..	170	109	..	182	103	....	188			
4.....	2.....	196	174	40	1	....	177	177	1	116	161	1	132	156	1	137			
4.....	3.....	185	164	40	....	....	215	169	..	133	163	..	139	156	....	146			
4.....	4.....	241	218	37	....	....	180	216	..	122	215	..	123	207	....	131			
	Totals..	747	669	160	1	....	873	683	1	541	648	1	575	622	1	602			
5.....	1.....	189	169	30	....	....	298	181	..	162	158	..	185	157	....	186			
5.....	2.....	226	205	29	....	....	258	210	..	149	199	..	160	193	....	166			
5.....	3.....	323	301	18	....	....	114	293	..	85	275	..	103	280	....	98			
5.....	4.....	334	318	25	....	....	83	295	..	85	288	..	92	280	....	100			
	Totals..	1,072	993	102	....	...	753	979	..	481	920	..	540	910	....	550			
6.....	1.....	218	197	60	....	....	213	201	..	143	184	..	160	175	....	169			
6.....	2.....	262	244	58	....	....	192	256	..	122	245	..	133	242	....	136			
6.....	3.....	257	236	56	....	....	307	237	..	191	238	..	190	221	....	207			
6.....	4.....	314	300	46	....	....	144	285	..	117	277	..	125	269	....	133			
	Totals..	1,051	977	220	....	....	856	979	..	573	944	..	608	907	....	645			
7.....	1.....	266	253	35	....	....	190	249	..	123	236	..	136	226	....	146			
7.....	2.....	194	166	45	....	....	331	171	..	197	179	..	189	164	....	204			
7.....	3.....	333	328	32	....	....	159	303	..	123	295	..	131	294	....	132			
7.....	4.....	225	218	44	....	....	237	200	..	162	191	..	171	189	....	173			
	Totals..	1,018	965	156	....	....	917	923	..	605	901	..	627	873	....	655			
8.....	1.....	317	302	22	....	....	177	299	..	110	302	..	107	281	....	128			
8.....	2.....	315	298	31	....	....	184	286	..	128	296	..	118	278	....	136			
8.....	3.....	225	206	44	....	1	516	217	..	279	234	..	262	205	....	291			
	Totals..	857	806	97	....	1	877	802	..	517	832	..	487	764	....	555			
9.....	1.....	381	374	24	....	....	149	351	..	113	345	..	119	335	....	129			
9.....	2.....	309	295	15	....	....	245	296	..	136	290	..	142	283	....	149			
9.....	3.....	242	223	29	....	....	222	225	..	133	232	..	126	222	....	136			
	Totals..	932	892	68	....	....	616	872	..	382	867	..	387	840	....	414			
10.....	1.....	333	318	21	....	....	120	312	..	84	310	..	86	311	....	85			
10.....	2.....	281	280	24	....	....	113	266	..	83	262	..	87	272	....	77			
10.....	3.....	146	127	37	....	....	280	148	..	147	152	..	143	144	....	151			
	Totals..	760	725	82	....	....	513	726	..	314	724	..	316	727	....	313			
11.....	1.....	359	331	50	....	....	154	331	..	116	314	..	133	324	....	123			
11.....	2.....	246	223	61	....	....	350	223	..	217	212	..	228	218	....	222			
11.....	3.....	166	154	65	....	....	415	181	..	219	172	..	228	165	....	235			
	Totals..	771	708	176	....	....	919	735	..	552	698	..	589	707	....	580			
Grand Totals..		8,414	7,802	1,434	1	1	9,236	8,887	1	5,358	7,685	1	5,760	7,444	1	6,001			

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